



Environmental
Engineers and
Scientists

Phase II Environmental Subsurface Investigation

580-610 Gerard Avenue, Bronx, NY

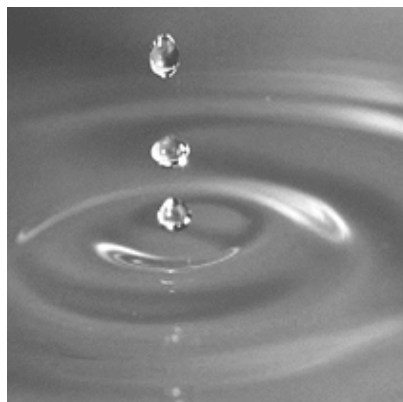
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Executive Summary

GEI Consultants Inc., P. C. was retained by Hunton Andrews Kurth LLP on behalf of EMMES Asset Management Company to perform a Phase II Environmental Subsurface Investigation (ESI) at 580-610 Gerard Avenue, Bronx, New York (Site), an E-designated parcel (E Number E-292, issued by New York City Department of Environmental Protection [NYCDEP]). GEI conducted field activities on August 9 and 10, 2018. These activities included a limited geophysical survey and a subsurface investigation. Soil boring logs detailing the field observations made during the subsurface investigation are presented in **Appendix A**.

A total of eight (8) test borings were performed in the building on the Site. Soil borings were advanced and analytical samples were collected to determine if there are impacts to soils underlying the project Site. Two (2) soil borings were advanced into the groundwater table and two (2) groundwater grab samples were collected. Additionally, four (4) soil vapor samples were collected from temporary implants installed beneath the building floor slab.

The soil composition of the eight (8) borings was similar, with predominantly fine to medium-grained sand and fill material along with some silt found to exist from the surface to terminus of the borings. Groundwater was encountered in two (2) borings at approximately 23 feet below land surface (bls).

Soils from each boring were evaluated for visual and olfactory impacts (e.g. staining and odors) and were field screened for organic vapors using a photoionization detector (PID). Elevated PID readings and an odor were noted in boring SB-2 at the intersection of the water table, approximately 21-23 feet bls.

Based upon the laboratory analysis results of the fifteen (15) soil samples, there were no elevated concentrations of Volatile Organic Compounds (VOCs) above the New York State Department of Environmental Conservation's (NYSDEC) Part 375 Restricted and/or Unrestricted Use Soil Cleanup Objectives (RUSCOs/UUSCOs), other than acetone. Acetone is considered a common laboratory relic.

Isolated VOC impacts including 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, chloroform, isopropylbenzene, n-butylbenzene, n-propylbenzene, and naphthalene were detected at concentrations above the applicable standards in groundwater sample SB-2(GW). No detections above the applicable standards were detected in groundwater sample SB-5(GW). These limited groundwater impacts were observed beneath the hydraulically upgradient corner of the Site, and not in the vicinity of any of the recognized environmental conditions (RECs) (i.e., former gasoline and fuel oil underground storage tanks [USTs], hydraulic lifts,

floor drains, etc.) identified in the Phase I ESAs previously conducted for the Site, therefore they are most likely attributable to an upgradient, off-Site source.

VOCs were detected in soil vapor at predominantly low levels throughout the project Site. However, elevated tetrachloroethene was detected in soil vapor sample SV-2.

Based upon the above findings, it is GEI's professional opinion that no further investigations/actions are necessary with regard to this subsurface investigation at present. If redevelopment is considered for this property, as required by the NYCOER E-designation program, prior to redevelopment, a Remedial Action Work Plan (RAWP) would be prepared and a remedy will be selected based on the remedial investigation results in conjunction with the proposed redevelopment to address the soil, soil vapor, and groundwater impacts that are present on the Site. Where soil/fill beneath the building will be disturbed, the soil/fill will require appropriate characterization prior to off-Site disposal. Additionally, any former features related to the previous garage operations (i.e., hydraulic lifts) and former underground storage tanks should be decommissioned, removed and disposed of in accordance with applicable regulations. Other typical measures employed during construction within New York City, including waterproofing/vapor barrier membranes and connection to public water supply would likely be included in the remedy selection process.

1. Introduction

GEI Consultants Inc., P. C. (GEI) was retained by Hunton Andrew Kurth LLP on behalf of EMMES Asset Management Company to complete an Environmental Subsurface Investigation (ESI) at the property located at 580-610 Gerard Avenue, Bronx, New York (Site), in support of property transfer. GEI also performed a Phase I Environmental Site Assessment (ESA) (GEI Project No. 1801351). Additionally, it should be noted that previous Phase I ESA Reports were completed in January 2011 and December 2015 for the project Site. The 2011 Phase I ESA was performed by EEA, Inc. for Sam Schwartz Engineering of New York, New York on behalf of EMMES Asset Management Company Ltd., LLC. The December 2015 Phase I ESA was conducted by GEI. Compared to the findings within the Phase I ESA performed for this Site in January 2011 by EEA, Inc., and December 2015 and August 2018 by GEI, no significant changes to the building had been identified, except for the in-place closure of one UST in April 2018.

This report summarizes the work performed by GEI, the analytical results of the investigation, and provides any recommendations for further testing or remedial actions.

The project Site is located on the east side of Gerard Avenue, between East 150th Street and East 151st Street, in the Borough of the Bronx, New York City, New York (**Figure 1**). The New York City Tax Map identification number associated with the project Site is Block 2353, Lot 1. The project Site was occupied by a single-story garage building. The subject building, which measures approximately 31,200 square feet in area, primarily covers the project Site except for a 3-foot path on the east side of the building. The building is currently vacant and was most recently utilized as a furniture warehouse. No visible indications of on-Site waste disposal of toxic and/or hazardous materials were observed at the time of inspection. No operations involving the use of toxic or hazardous materials were present on the project Site at the time of the Site assessment.

The Site currently has an E-designation (E Number E-292) issued by New York City Department of Environmental Protection (NYCDEP) during the City Environmental Quality Review process. Prior to redevelopment, the Site environmental concerns will need to be addressed through the New York City Office of Environmental Remediation (NYCOER) E-Designation Program.

1.1 Previous Reports

As previously mentioned, GEI completed a Phase I ESA in August 2018 and December 2015. Additionally, it should be noted that a 2011 Phase I ESA was performed by EEA, Inc. Compared to the findings within the Phase I ESA performed for this Site in January 2011 by EEA, Inc., and December 2015 and August 2018 by GEI, no significant changes to the

building had been identified, except for the in-place closure of one UST in April 2018. The conclusions of these reports revealed that similar recognized environmental conditions (RECs) were identified that pertained to gasoline storage tanks, hydraulic lift units, a fuel oil storage tank, and interior floor drains.

2. Subsurface Investigation Activities

GEI completed field activities on August 9 and 10, 2018. These activities included a subsurface investigation and limited geophysical survey.

2.1 Pre-Mobilization Activities

All activities on-Site were completed under the Site-Specific Health and Safety Plan (HASP). The HASP assigns responsibilities, establishes personal protection standards, recommends operating procedures, and provides for contingencies that may arise during performance of the assessment at the Site. The protocols in the HASP applied to all personnel involved in the work activities including GEI, all outside subcontractors, client, or regulatory agencies present during the performance of the work.

Cascade Technical Services (Cascade) was the subcontractor on-Site that completed the subsurface drilling under direction of GEI. Prior to mobilization, Cascade notified One Call 811 under the New York State Regulation Code 753 to identify the location of underground utilities near the proposed boring locations. The Dig Safe mark out number assigned was 181390101.

2.2 Subsurface Investigation

2.2.1 Soil Borings

Eight (8) soil borings (SB-1 through SB-8) were advanced in strategically selected locations throughout the project Site based on the previously identified RECs. A total of 15 soil samples were collected. The varying sample collection depths were the result of drilling refusal being encountered at depths ranging from 5 to 25 feet bls, in this case below the floor slab, during the investigation. Details for each boring location are summarized as follows:

Boring ID	Sample Depths (feet bls)	Termination Depth (feet bls)
SB-1	0-2 and 21-23	25, drilling refusal on rock, moist at bottom
SB-2(GW)	0-2 and 21-23	25, water table
SB-3	0-2	5, drilling refusal on rock
SB-4	0-2 and 17-19	20, water table
SB-5(GW)	0-2 and 10-12	25, water table
SB-6	0-2 and 10-12	20, no impacts
SB-7	0-2 and 10-12	19, drilling refusal on rock
SB-8	0-2 and 17-19	19.5, drilling refusal on rock

Laboratory analysis included analysis for Target Compound List (TCL) Volatile Organic Compounds (VOCs) by United States Environmental Protection Agency (USEPA) 8260,

TCL Semi-Volatile Organic Compounds (SVOCs) by USEPA Method 8270, Target Analyte List (TAL) Metals, Pesticides by USEPA 8081, and Polychlorinated Biphenyls (PCBs) by USEPA Method 8082.

2.2.2 Groundwater Grab Sample Collection

Groundwater was encountered at approximately 24 feet bls in soil boring SB-2 and SB-5, and approximately 20 feet bls in SB-4. No groundwater was encountered at the remaining locations, except for SB-1 where the soil immediately above the bedrock was moist, but groundwater was not able to be collected due to low permeability soil conditions.

Groundwater was collected by installing a temporary 1-inch diameter poly-vinyl chlorinated (PVC) slotted monitoring well screen and riser pipe into the existing soil bore hole after soil samples were collected. Groundwater grab samples were collected from each location using a peristaltic pump and dedicated tubing. Both groundwater samples were submitted for laboratory analysis for TCL VOCs by USEPA 8260, TCL SVOCs by USEPA Method 8270, TAL Metals, Pesticides by USEPA 8081, and PCBs by USEPA Method 8082.

2.2.3 Soil Vapor Sample Collection

Four (4) sub-slab soil vapor samples were collected from approximately 6-inches beneath the floor slab. Each sample was collected in a 6-Liter Summa canister with a regulator set to fill over the course of approximately two (2) hours. Each Summa canister was submitted for analysis of VOCs via TO-15.

2.2.4 Limited Geophysical Survey

Ground Penetrating Radar Systems, LLC (GPRS), under the direction of GEI, performed an electronic magnetometer (EM) and ground penetrating radar (GPR) survey to identify and determine the location of any unknown subsurface features of potential environmental concern (anomalies) such as USTs, underground drainage systems, or hydraulic lifts. GPRS used a Geophysical Survey Systems Inc. SIR-3000 cart-mounted GPR unit with a 400 MHz and Radio detection RD7000 precision utility locator to collect data from selected boring locations and an area in the southwestern portion of the project Site that is likely the former location of the 550-gallon gasoline USTs.

2.2.5 On-Site Field Activities

Cascade utilized a Geoprobe® Model 7822DT with MacroCore sleeves for the boring locations. Soil borings were advanced in continuous 5-foot intervals and were completed with a dedicated, acetate liner used to retrieve and observe the soil. The soil was inspected for staining and odors prior to field screening for organic vapors utilizing a photoionization detector (PID).

2.3 Sampling Activities

GEI implements a Quality Assurance and Quality Control Plan (QA/QC) to ensure sample integrity and avoid contamination and/or cross-contamination of samples. All reusable sampling equipment was cleaned before each sample was collected and disposable, one-use equipment (i.e., disposable nitrile gloves) were utilized to the extent possible during this sampling event. Preference to sampling was given to soils that had the greatest impacts noted, either by visual staining or record of elevated organic vapors identified by the PID. Samples were selected for laboratory analysis as follows:

- The 0-2-foot interval bls, (in this case below the building's floor slab);
- The 2-foot interval exhibiting the highest PID reading and/or visual and/or olfactory observations indicating impacts;
- If no impacts are observed, the 0-2-foot bls and 2-foot interval immediately above the water table or bedrock (if encountered);
- If no impacts were observed, and the water table/bedrock were not observed, the 10- to 12-foot bls interval was selected for analysis, as this would represent the typical depth of redevelopment excavation for structures with a potential basement.

2.4 Soil Quality

The boring and sampling locations are identified on **Figure 2**. Boring logs that detail the sampling, PID readings and sensory findings are included as **Appendix A**. The soil composition of the eight (8) borings was similar, with predominantly fine to medium-grained sand along with silt found to exist from the surface to the terminus of the borings. Groundwater was encountered in two borings at approximately 23 feet bls.

During the sampling, a petroleum-like odor, along with an elevated PID reading were observed at location SB-2 at the intersection of the groundwater table. No other petroleum odors or elevated PID readings or other visual/olfactory signs of contamination were noted during the investigation.

The selected soil sample from each test boring location was collected and placed in laboratory supplied sample jars. The sample jars were then placed in a cooler on ice and chilled in accordance with standard operating procedures prior to delivery to the laboratory for analysis.

3. Sample Analysis Findings

Samples collected during the field work were submitted for analysis to York Analytical Laboratories (York) located at 120 Research Drive, Stratford, Connecticut. York is National Environmental Laboratory Accreditation Program laboratory with certification in New York as NY Lab Id No. 10854. The laboratory analytical reports and associated Chain-of-Custody forms are provided in **Appendix B**.

Table 1 presents the soil sampling results (SB-1 through SB-8) and a comparison to NYSDEC Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives (UUSCOs) and NYSDEC Part 375-6.8(b) Restricted Residential Use Soil Cleanup Objectives (RRUSCOs). The soil samples were analyzed for TCL VOCs by USEPA 8260, TCL SVOCs by USEPA Method 8270, TAL Metals, Pesticides by USEPA 8081, and PCBs by USEPA Method 8082.

Table 2 presents the groundwater sampling results (SB-2[GW]) and (SB-5[GW]) provides a comparison to NYSDEC Division of Water Technical and Operation Guidance Series (TOGS) Guidance Values. The groundwater samples were analyzed for TCL VOCs by USEPA 8260, TCL SVOCs by USEPA Method 8270, TAL Metals, Pesticides by USEPA 8081, and PCBs by USEPA Method 8082.

Table 3 presents the soil vapor sampling results (SV-1 through SV-4) and a comparison to the New York State Department of Health (NYSDOH) Center for Environmental Health (CEH) Bureau of Environmental Exposure Investigation (BEEI) Final Guidance for Evaluation Soil Vapor Intrusion in the state of New York (updated May 2017).

4. Summary, Conclusions, and Recommendations

This investigation was performed to determine the present environmental conditions at the Site, in support of property transfer.

Summary and Conclusions

Limited Geophysical Survey

All proposed soil boring locations were cleared of private utilities on August 9, 2018 by GPRS. Additionally, the southeastern quadrant of the Site was scanned for the presence of USTs. No USTs were identified during the limited geophysical survey.

Soil Quality

The results included exceedances of RRUSCOs for metals in six (6) of eight (8) borings, SVOCs in four (4) borings, and PCBs in two (2) borings. Metals and Total PCBs were detected at the highest concentrations in SB-3 at a depth of 0-2 feet bls. SVOCs were detected above RRUSCOS in four borings, with the highest concentrations revealed in SB-7 at a depth of 0-2 feet. Pesticides were also detected at concentrations above UUSCOs but below RRUSCOs in four (4) borings, with the highest concentration detected in boring SB-8 at a depth of 0-2 feet.

No soil impacts were observed in the areas of the RECs identified in the Phase I ESA. The sitewide, predominantly shallow distribution and nature of these impacts (metals, SVOCs, pesticides, and PCBs) are typical of urban fill throughout New York City and do not represent a significant source area of contamination at the Site. The presence of fill material beneath the Site is unlikely to impede redevelopment of the Site. As part of the requirements of the NYCOER E-designation program, any soil/fill material removed from the Site will require appropriate characterization and disposal at permitted facilities in accordance with applicable laws and regulations for handling, transport, and disposal of such material.

Groundwater Quality

VOCs including 1,2,4-Trimethlybenzene, 1,3,5-Trimethlybenzene, Chloroform, Isopropylbenzene, n-Butylbenzene, n-Propylbenzene, and Napthalene were detected at concentrations above NYSDEC TOGs standards in groundwater sample SB-2(GW). No detections above NYSDEC TOGs Guidance Values were detected in groundwater sample SB-5 (GW).

Although no permanent groundwater monitoring wells were installed as part of this investigation, based on the Phase I findings, groundwater is anticipated to flow in a southerly

direction, toward the Harlem River. No impacts to groundwater were observed in the areas of the RECs identified in the Phase I ESA. The location of the limited degraded hydrocarbon detections in groundwater at SB-2(GW) on the upgradient side of the Site, on the opposite side of the building from the locations of former USTs associated with historical operations, is indicative of an upgradient off-Site source impacting groundwater that travels beneath the north-northwestern corner of the Site. The lack of detections in the groundwater sample collected at SB-5(GW) further supports the limited nature of the groundwater impacts. The limited impacts to groundwater in SB-2(GW) are unlikely to impede redevelopment at the Site since groundwater in New York City is not utilized for municipal purposes, potable water is acquired through the New York City public water supply.

Soil Vapor Quality

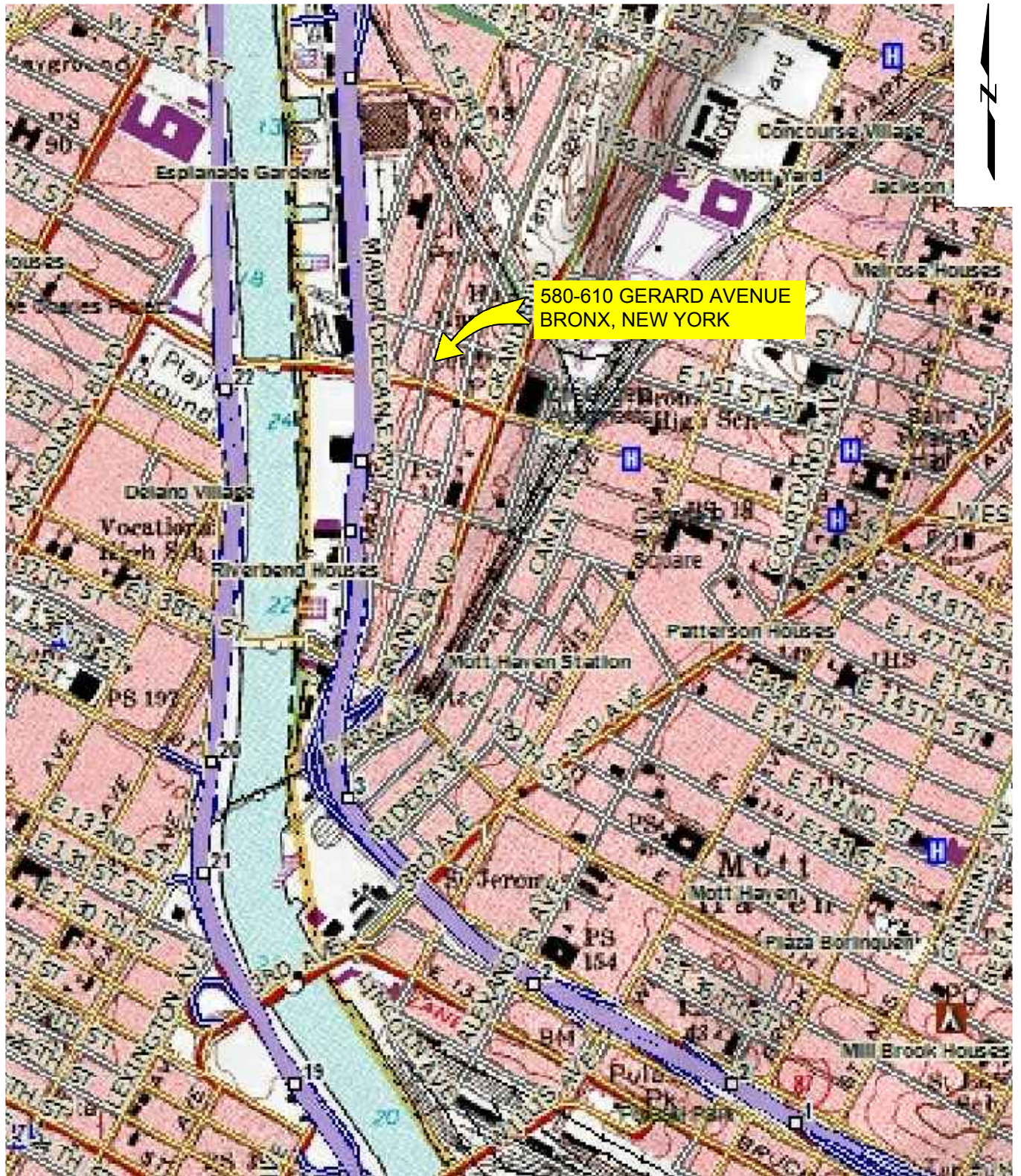
VOCs were detected in soil vapor at predominantly low levels throughout the project Site. No impacts to soil vapor were observed in the areas of the RECs identified in the Phase I ESA. The concentrations are typical of locations where urban fill soil is found in the subsurface soil materials. However, elevated tetrachloroethene was detected in soil vapor sample SV-2. Sample results for tetrachloroethene in groundwater or soil samples both in the vicinity of SV-2, and across the Site as a whole, were either non-detect or two to three orders of magnitude below the UUSCOs, indicating this condition is unlikely to be related to an on-Site source. Based on this detection, soil vapor intrusion would need to be evaluated for any future construction on the Site.

Recommendations

Based upon the above findings, it is GEI's professional opinion that no further investigations/actions are necessary. However, the Site currently has an E-designation (E Number E-292) issued by NYCDEP during the City Environmental Quality Review process. Prior to redevelopment, the Site environmental concerns will need to be addressed through the NYCOER E-Designation Program which typically requires a full subsurface investigation, remedial and health and safety planning, implementation of a remedial program, and documentation that the remedial program was completed under the direction of NYCOER during redevelopment of the property.

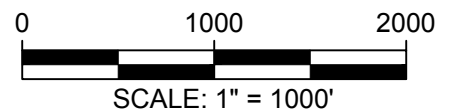
As required by the NYCOER E-designation program, prior to redevelopment, a Remedial Action Work Plan (RAWP) would be prepared and a remedy will be selected based on the remedial investigation results in conjunction with the proposed redevelopment to address the soil, soil vapor, and groundwater impacts that are present on the Site. Any soil/fill material removed from the Site will require appropriate characterization and disposal at permitted facilities in accordance with applicable laws and regulations for handling, transport, and disposal of such material.

Figures



SOURCE:

USGS CENTRAL PARK QUADRANGLE MAP



REMEDIAL INVESTIGATION REPORT
580-610 GERARD AVENUE
BRONX, NEW YORK

HUNTON ANDREWS KURTH, LLP.
RICHMOND, VIRGINIA

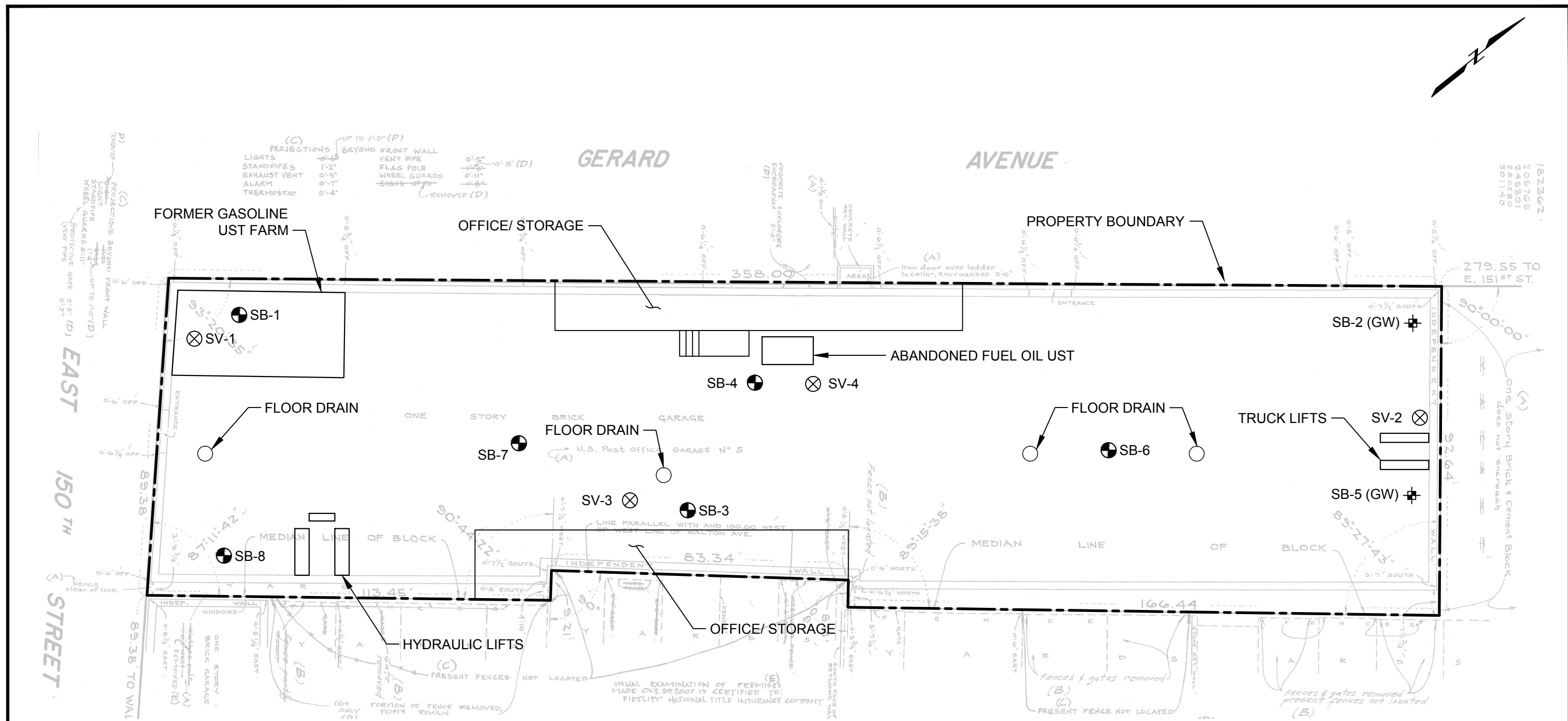


Project 1803080

SITE LOCATION MAP

September 2018

Fig. 1



LEGEND

● SOIL BORING LOCATION

⊗ SOIL VAPOR LOCATION

⊕ SOIL/GROUNDWATER SAMPLE LOCATION

SOURCE:

1. PLAN BASED ON MAP PREPARED BY EARL B. LOVELL - S.P. BELCHER, INC

0 30 60

SCALE: 1" = 30'

PHASE II ENVIRONMENTAL SITE ASSESSMENT 580-610 GERARD AVENUE BRONX, NEW YORK		SAMPLE LOCATION MAP	
HUNTON ANDREWS KURTH, LLP. RICHMOND, VIRGINIA		Project 1803080	September 2018

Fig. 2

Sample ID	SV-4
VOCs (ug/m³)	Result
1,2,4-Trimethylbenzene	12D
2-Butanone	25D
4-Methyl-2-pentanone	3.5D
Acetone	110D
Benzene	3.1D
Carbon disulfide	43D
Chloromethane	1.9D
Cyclohexane	11D
Ethyl Benzene	8.2D
Isopropanol	47D
Methylene chloride	6.2D
n-Hexane	11D
o-Xylene	12D
p- & m- Xylenes	32D
Propylene	27D
Tetrachloroethylene	35D
Tetrahydrofuran	6.2D
Toluene	22D

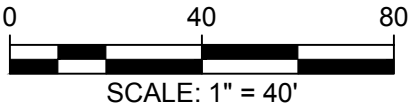
Sample ID	SV-1
VOCs (ug/m³)	Result
1,1,1-Trichloroethane	4.6D
1,2,4-Trimethylbenzene	8.2D
1,3-Butadiene	4.5D
1,3-Dichlorobenzene	7.7D
2-Butanone	120D
4-Methyl-2-pentanone	8D
Acetone	660D
Benzene	7.6D
Cyclohexane	7.2D
Ethyl Benzene	7.5D
Isopropanol	140D
n-Heptane	21D
n-Hexane	11D
o-Xylene	11D
p- & m- Xylenes	30D
Propylene	28D
Tetrachloroethylene	56D
Tetrahydrofuran	16D
Toluene	26D

Sample ID	SV-2
VOCs (ug/m³)	Result
1,2,4-Trimethylbenzene	10D
2-Butanone	26D
Acetone	150D
Benzene	4.4D
Carbon disulfide	12D
Chloromethane	1.6D
Cyclohexane	3.7D
Ethyl Benzene	7.9D
Isopropanol	67D
Methylene chloride	37D
n-Hexane	8.4D
o-Xylene	11D
p- & m- Xylenes	31D
Propylene	15D
Tetrachloroethylene	460D
Tetrahydrofuran	5.6D
Toluene	18D

Sample ID	SV-3
VOCs (ug/m³)	Result
1,2,4-Trimethylbenzene	47D
1,3,5-Trimethylbenzene	25D
1,3-Butadiene	7.8D
2-Butanone	62D
4-Methyl-2-pentanone	8.8D
Acetone	180D
Benzene	23D
Carbon disulfide	31D
Chloroform	4.5D
Chloromethane	3.3D
Cyclohexane	46D
Ethyl Benzene	22D
Isopropanol	60D
Methyl tert-butyl ether (MTBE)	8.4D
Methylene chloride	6.9D
n-Heptane	120D
n-Hexane	75D
o-Xylene	28D
p- & m- Xylenes	73D
p-Ethyltoluene	29D
Propylene	130DE
Tetrachloroethylene	44D
Tetrahydrofuran	22D
Toluene	47D

Note
D=result is from an analysis that required a dilution

SOURCE:
1. PLAN BASED ON MAP PREPARED BY EARL B. LOVELL - S.P. BELCHER, INC



LEGEND
⊗ SOIL VAPOR LOCATION

PHASE II ENVIRONMENTAL SITE ASSESSMENT
580-610 GERARD AVENUE
BRONX, NEW YORK

HUNTON ANDREWS KURTH, LLP.
RICHMOND, VIRGINIA

GEI Consultants

SOIL VAPOR SAMPLE
LOCATION MAP

Project 1803080September 2018Fig. 4

Tables

Table 1. Soil Analytical Results
Phase II Environmental Subsurface Investigation
580-610 Gerard Avenue
Bronx, New York

Sample ID	NYSDEC Part 375	NYSDEC Part 375	SB-1 (0'-2')		SB-1 (21'-23')		SB-2 (0'-2')		SB-2 (21'-23')		SB-3 (0'-2')	
Sampling Date	Unrestricted Use	Restricted Use	8/10/2018		8/10/2018		8/10/2018		8/10/2018		8/10/2018	
Client Matrix	Soil Cleanup	Soil Cleanup	Soil		Soil		Soil		Soil		Soil	
Compound	Objectives	Objectives-Residential	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Volatile Organics, 8260 - Comprehensive	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Dilution Factor			1		1		1		1		1	
1,1,1,2-Tetrachloroethane	~	~	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
1,1,1-Trichloroethane	0.68	100	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
1,1,2,2-Tetrachloroethane	~	~	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	~	~	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
1,1,2-Trichloroethane	~	~	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
1,1-Dichloroethane	0.27	19	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
1,1-Dichloroethylene	0.33	100	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
1,2,3-Trichlorobenzene	~	~	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
1,2,3-Trichloropropane	~	~	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
1,2,4-Trichlorobenzene	~	~	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
1,2,4-Trimethylbenzene	3.6	47	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.022	
1,2-Dibromo-3-chloropropane	~	~	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
1,2-Dibromoethane	~	~	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
1,2-Dichlorobenzene	1.1	100	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
1,2-Dichloroethane	0.02	2.3	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
1,2-Dichloropropane	~	~	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
1,3,5-Trimethylbenzene	8.4	47	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0096	
1,3-Dichlorobenzene	2.4	17	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
1,4-Dichlorobenzene	1.8	9.8	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
1,4-Dioxane	0.1	9.8	0.055	U	0.0540	U	0.0520	U	0.051	U	0.054	U
2-Butanone	0.12	100	0.0028	U	0.0027	U	0.0026	U	0.0040	J	0.0027	U
2-Hexanone	~	~	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
4-Methyl-2-pentanone	~	~	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
Acetone	0.05	100	0.0083	J	0.023		0.035		0.031		0.041	
Acrolein	~	~	0.0055	U	0.0054	U	0.0052	U	0.0051	U	0.0054	U
Acrylonitrile	~	~	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
Benzene	0.06	2.9	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
Bromochloromethane	~	~	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
Bromodichloromethane	~	~	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
Bromoform	~	~	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
Bromomethane	~	~	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
Carbon disulfide	~	~	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
Carbon tetrachloride	0.76	1.4	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
Chlorobenzene	1.1	100	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
Chloroethane	~	~	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
Chloroform	0.37	10	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
Chloromethane	~	~	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
cis-1,2-Dichloroethylene	0.25	59	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
cis-1,3-Dichloropropylene	~	~	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
Cyclohexane	~	~	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
Dibromochloromethane	~	~	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
Dibromomethane	~	~	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
Dichlorodifluoromethane	~	~	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
Ethyl Benzene	1	30	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0034	J
Hexachlorobutadiene	~	~	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U

Table 1. Soil Analytical Results
Phase II Environmental Subsurface Investigation
580-610 Gerard Avenue
Bronx, New York

Sample ID	NYSDEC Part 375	NYSDEC Part 375	SB-1 (0'-2')		SB-1 (21'-23')		SB-2 (0'-2')		SB-2 (21'-23')		SB-3 (0'-2')	
Sampling Date	Unrestricted Use	Restricted Use	8/10/2018		8/10/2018		8/10/2018		8/10/2018		8/10/2018	
Client Matrix	Soil Cleanup	Soil Cleanup	Soil		Soil		Soil		Soil		Soil	
Compound	Objectives	Objectives-Residential	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Isopropylbenzene	~	~	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
Methyl acetate	~	~	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
Methyl tert-butyl ether (MTBE)	0.93	62	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
Methylcyclohexane	~	~	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
Methylene chloride	0.05	51	0.0055	U	0.0054	U	0.0052	U	0.0051	U	0.0054	U
n-Butylbenzene	12	100	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
n-Propylbenzene	3.9	100	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
o-Xylene	~	~	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0075	
p- & m- Xylenes	~	~	0.0055	U	0.0054	U	0.0052	U	0.0051	U	0.0140	
p-Isopropyltoluene	~	~	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
sec-Butylbenzene	11	100	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
Styrene	~	~	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
tert-Butyl alcohol (TBA)	~	~	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0072	
tert-Butylbenzene	5.9	100	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
Tetrachloroethylene	1.3	5.5	0.0077		0.0027	U	0.0065		0.0074		0.0027	U
Toluene	0.7	100	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0062	
trans-1,2-Dichloroethylene	0.19	100	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
trans-1,3-Dichloropropylene	~	~	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
trans-1,4-dichloro-2-butene	~	~	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
Trichloroethylene	0.47	10	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
Trichlorofluoromethane	~	~	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
Vinyl Chloride	0.02	0.21	0.0028	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U
Xylenes, Total	0.26	100	0.0083	U	0.0081	U	0.0078	U	0.0077	U	0.022	
Semi-Volatiles, 8270 - Comprehensive	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Dilution Factor			2		2		2		2		2	
1,1-Biphenyl	~	~	0.0463	U	0.0451	U	0.0433	U	0.0427	U	0.0454	U
1,2,4,5-Tetrachlorobenzene	~	~	0.0923	U	0.0899	U	0.0864	U	0.0852	U	0.0907	U
1,2,4-Trichlorobenzene	~	~	0.0463	U	0.0451	U	0.0433	U	0.0427	U	0.0454	U
1,2-Dichlorobenzene	1.1	100	0.0463	U	0.0451	U	0.0433	U	0.0427	U	0.0454	U
1,2-Diphenylhydrazine (as Azobenzene)	~	~	0.0463	U	0.0451	U	0.0433	U	0.0427	U	0.0454	U
1,3-Dichlorobenzene	2.4	17	0.0463	U	0.0451	U	0.0433	U	0.0427	U	0.0454	U
1,4-Dichlorobenzene	1.8	9.8	0.0463	U	0.0451	U	0.0433	U	0.0427	U	0.0454	U
2,3,4,6-Tetrachlorophenol	~	~	0.0923	U	0.0899	U	0.0864	U	0.0852	U	0.0907	U
2,4,5-Trichlorophenol	~	~	0.0463	U	0.0451	U	0.0433	U	0.0427	U	0.0454	U
2,4,6-Trichlorophenol	~	~	0.0463	U	0.0451	U	0.0433	U	0.0427	U	0.0454	U
2,4-Dichlorophenol	~	~	0.0463	U	0.0451	U	0.0433	U	0.0427	U	0.0454	U
2,4-Dimethylphenol	~	~	0.0463	U	0.0451	U	0.0433	U	0.0427	U	0.0454	U
2,4-Dinitrophenol	~	~	0.0923	U	0.0899	U	0.0864	U	0.0852	U	0.0907	U
2,4-Dinitrotoluene	~	~	0.0463	U	0.0451	U	0.0433	U	0.0427	U	0.0454	U
2,6-Dinitrotoluene	~	~	0.0463	U	0.0451	U	0.0433	U	0.0427	U	0.0454	U
2-Chloronaphthalene	~	~	0.0463	U	0.0451	U	0.0433	U	0.0427	U	0.0454	U
2-Chlorophenol	~	~	0.0463	U	0.0451	U	0.0433	U	0.0427	U	0.0454	U
2-Methylnaphthalene	~	~	0.0463	U	0.0451	U	0.0433	U	0.0427	U	0.0454	U
2-Methylphenol	0.33	100	0.0463	U	0.0451	U	0.0433	U	0.0427	U	0.0454	U
2-Nitroaniline	~	~	0.0923	U	0.0899	U	0.0864	U	0.0852	U	0.0907	U
2-Nitrophenol	~	~	0.0463	U	0.0451	U	0.0433	U	0.0427	U	0.0454	U
3- & 4-Methylphenols	~	~	0.0463	U	0.0451	U	0.0433	U	0.0427	U	0.0454	U

Table 1. Soil Analytical Results
Phase II Environmental Subsurface Investigation
580-610 Gerard Avenue
Bronx, New York

Sample ID	NYSDEC Part 375	NYSDEC Part 375	SB-1 (0'-2')		SB-1 (21'-23')		SB-2 (0'-2')		SB-2 (21'-23')		SB-3 (0'-2')	
Sampling Date	Unrestricted Use	Restricted Use	8/10/2018		8/10/2018		8/10/2018		8/10/2018		8/10/2018	
Client Matrix	Soil Cleanup	Soil Cleanup	Soil		Soil		Soil		Soil		Soil	
Compound	Objectives	Objectives-Residential	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
3,3-Dichlorobenzidine	~	~	0.0463	U	0.0451	U	0.0433	U	0.0427	U	0.0454	U
3-Nitroaniline	~	~	0.0923	U	0.0899	U	0.0864	U	0.0852	U	0.0907	U
4,6-Dinitro-2-methylphenol	~	~	0.0923	U	0.0899	U	0.0864	U	0.0852	U	0.0907	U
4-Bromophenyl phenyl ether	~	~	0.0463	U	0.0451	U	0.0433	U	0.0427	U	0.0454	U
4-Chloro-3-methylphenol	~	~	0.0463	U	0.0451	U	0.0433	U	0.0427	U	0.0454	U
4-Chloroaniline	~	~	0.0463	U	0.0451	U	0.0433	U	0.0427	U	0.0454	U
4-Chlorophenyl phenyl ether	~	~	0.0463	U	0.0451	U	0.0433	U	0.0427	U	0.0454	U
4-Nitroaniline	~	~	0.0923	U	0.0899	U	0.0864	U	0.0852	U	0.0907	U
4-Nitrophenol	~	~	0.0923	U	0.0899	U	0.0864	U	0.0852	U	0.0907	U
Acenaphthene	20	100	0.0590	JD	0.0451	U	0.215	D	0.0427	U	0.0454	U
Acenaphthylene	100	100	0.112	D	0.0451	U	0.0739	JD	0.114	D	0.0454	U
Acetophenone	~	~	0.0463	U	0.0451	U	0.0433	U	0.0427	U	0.0454	U
Aniline	~	~	0.185	U	0.180	U	0.173	U	0.171	U	0.182	U
Anthracene	100	100	0.171	D	0.0451	U	0.366	D	0.116	D	0.0454	U
Atrazine	~	~	0.0463	U	0.0451	U	0.0433	U	0.0427	U	0.0454	U
Benzaldehyde	~	~	0.0463	U	0.0451	U	0.0433	U	0.0427	U	0.0454	U
Benzidine	~	~	0.185	U	0.180	U	0.173	U	0.171	U	0.182	U
Benzo(a)anthracene	1	1	0.692	D	0.131	D	1.22	D	0.472	D	0.108	D
Benzo(a)pyrene	1	1	0.824	D	0.173	D	1.27	D	0.527	D	0.159	D
Benzo(b)fluoranthene	1	1	0.659	D	0.137	D	1.03	D	0.433	D	0.160	D
Benzo(g,h,i)perylene	100	100	0.433	D	0.152	D	0.600	D	0.269	D	0.147	D
Benzo(k)fluoranthene	0.8	1	0.703	D	0.129	D	1.09	D	0.467	D	0.125	D
Benzoic acid	~	~	0.0463	U	0.0451	U	0.0433	U	0.0427	U	0.0454	U
Benzyl alcohol	~	~	0.0463	U	0.0451	U	0.0433	U	0.0427	U	0.0454	U
Benzyl butyl phthalate	~	~	0.0463	U	0.0451	U	0.0433	U	0.0427	U	0.0522	JD
Bis(2-chloroethoxy)methane	~	~	0.0463	U	0.0451	U	0.0433	U	0.0427	U	0.0454	U
Bis(2-chloroethyl)ether	~	~	0.0463	U	0.0451	U	0.0433	U	0.0427	U	0.0454	U
Bis(2-chloroisopropyl)ether	~	~	0.0463	U	0.0451	U	0.0433	U	0.0427	U	0.0454	U
Bis(2-ethylhexyl)phthalate	~	~	0.0664	JD	0.0451	U	0.0497	JD	0.290	D	0.0454	U
Caprolactam	~	~	0.0923	U	0.0899	U	0.0864	U	0.0852	U	0.0907	U
Carbazole	~	~	0.0561	JD	0.0451	U	0.155	D	0.0427	U	0.0454	U
Chrysene	1	1	0.739	D	0.147	D	1.27	D	0.467	D	0.129	D
Dibenzo(a,h)anthracene	0.33	0.33	0.161	D	0.0451	U	0.222	D	0.0988	D	0.0454	U
Dibenzofuran	7	14	0.0463	U	0.0451	U	0.0794	JD	0.0427	U	0.0454	U
Diethyl phthalate	~	~	0.0463	U	0.0451	U	0.0433	U	0.0427	U	0.0454	U
Dimethyl phthalate	~	~	0.0463	U	0.0451	U	0.0433	U	0.0427	U	0.0454	U
Di-n-butyl phthalate	~	~	0.0463	U	0.0451	U	0.0433	U	0.0427	U	0.0454	U
Di-n-octyl phthalate	~	~	0.0463	U	0.0451	U	0.0433	U	0.0427	U	0.0454	U
Fluoranthene	100	100	1.360	D	0.234	D	2.370	D	0.929	D	0.116	D
Fluorene	30	100	0.0480	JD	0.0451	U	0.116	D	0.0427	U	0.0454	U
Hexachlorobenzene	0.33	0.33	0.0463	U	0.0451	U	0.0433	U	0.0427	U	0.0454	U
Hexachlorobutadiene	~	~	0.0463	U	0.0451	U	0.0433	U	0.0427	U	0.0454	U
Hexachlorocyclopentadiene	~	~	0.0463	U	0.0451	U	0.0433	U	0.0427	U	0.0454	U
Hexachloroethane	~	~	0.0463	U	0.0451	U	0.0433	U	0.0427	U	0.0454	U
Indeno(1,2,3-cd)pyrene	0.5	0.5	0.370	D	0.0920	D	0.589	D	0.258	D	0.125	D
Isophorone	~	~	0.0463	U	0.0451	U	0.0433	U	0.0427	U	0.0454	U
Naphthalene	12	100	0.0463	U	0.0451	U	0.0829	JD	0.0427	U	0.0454	U

Table 1. Soil Analytical Results
Phase II Environmental Subsurface Investigation
580-610 Gerard Avenue
Bronx, New York

Sample ID	NYSDEC Part 375	NYSDEC Part 375	SB-1 (0'-2')		SB-1 (21'-23')		SB-2 (0'-2')		SB-2 (21'-23')		SB-3 (0'-2')	
Sampling Date	Unrestricted Use	Restricted Use	8/10/2018		8/10/2018		8/10/2018		8/10/2018		8/10/2018	
Client Matrix	Soil Cleanup	Soil Cleanup	Soil		Soil		Soil		Soil		Soil	
Compound	Objectives	Objectives-Residential	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Nitrobenzene	~	~	0.0463	U	0.0451	U	0.0433	U	0.0427	U	0.0454	U
N-Nitrosodimethylamine	~	~	0.0463	U	0.0451	U	0.0433	U	0.0427	U	0.0454	U
N-nitroso-di-n-propylamine	~	~	0.0463	U	0.0451	U	0.0433	U	0.0427	U	0.0454	U
N-Nitrosodiphenylamine	~	~	0.0463	U	0.0451	U	0.0433	U	0.0427	U	0.0454	U
Pentachlorophenol	0.8	2.4	0.0463	U	0.0451	U	0.0433	U	0.0427	U	0.0454	U
Phenanthrene	100	100	0.624	D	0.119	D	1.520	D	0.515	D	0.0486	JD
Phenol	0.33	100	0.0463	U	0.0451	U	0.0433	U	0.0427	U	0.0454	U
Pyrene	100	100	1.160	D	0.220	D	2	D	0.840	D	0.112	D
Pesticides, 8081 target list	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Dilution Factor			5		5		5		5		5	
4,4'-DDD	0.0033	2.6	0.00183	U	0.00178	U	0.00170	U	0.00168	U	0.00178	U
4,4'-DDE	0.0033	1.8	0.00183	U	0.00178	U	0.00170	U	0.00168	U	0.00178	U
4,4'-DDT	0.0033	1.7	0.00819	D	0.00178	U	0.00684	DP	0.0107	D	0.00178	U
Aldrin	0.005	0.019	0.00183	U	0.00178	U	0.00170	U	0.00168	U	0.00178	U
alpha-BHC	0.02	0.097	0.00183	U	0.00178	U	0.00170	U	0.00168	U	0.00178	U
alpha-Chlordane	0.094	0.91	0.00183	U	0.00178	U	0.00170	U	0.00168	U	0.00178	U
beta-BHC	0.036	0.072	0.00183	U	0.00178	U	0.00170	U	0.00168	U	0.00178	U
Chlordane, total	~	~	0.0365	U	0.0356	U	0.0340	U	0.0337	U	0.0357	U
delta-BHC	0.04	100	0.00183	U	0.00178	U	0.00170	U	0.00168	U	0.00178	U
Dieldrin	0.005	0.039	0.00239	D	0.00178	U	0.00261	D	0.00411	DP	0.00178	U
Endosulfan I	2.4	4.8	0.00183	U	0.00178	U	0.00170	U	0.00168	U	0.00178	U
Endosulfan II	2.4	4.8	0.00183	U	0.00178	U	0.00170	U	0.00364	DP	0.00178	U
Endosulfan sulfate	2.4	4.8	0.00183	U	0.00178	U	0.00170	U	0.00168	U	0.00178	U
Endrin	0.014	2.2	0.00514	D	0.00178	U	0.00348	D	0.00923	D	0.00178	U
Endrin aldehyde	~	~	0.00230	D	0.00178	U	0.00217	D	0.00355	D	0.00178	U
Endrin ketone	~	~	0.00660	DP	0.00178	U	0.00170	U	0.0128	DP	0.00178	U
gamma-BHC (Lindane)	0.1	0.28	0.00183	U	0.00178	U	0.00170	U	0.00168	U	0.00178	U
gamma-Chlordane	~	~	0.00183	U	0.00178	U	0.00170	U	0.00168	U	0.00178	U
Heptachlor	0.042	0.42	0.00183	U	0.00178	U	0.00170	U	0.00168	U	0.00178	U
Heptachlor epoxide	~	~	0.00183	U	0.00178	U	0.00170	U	0.00168	U	0.00178	U
Methoxychlor	~	~	0.00913	U	0.00890	U	0.00849	U	0.00842	U	0.00892	U
Toxaphene	~	~	0.0924	U	0.0901	U	0.0860	U	0.0852	U	0.0903	U
Metals, Target Analyte	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Dilution Factor			1		1		1		1		1	
Aluminum	~	~	7,690		11,700		9,310		15,300		16,900	
Antimony	~	~	3.370	B	2.180	B	1.550	B	2.880	B	3.590	B
Arsenic	13	16	7.140		4.200		4.570		4.790		5.570	
Barium	350	350	253		162		875		495		509	
Beryllium	7.2	14	0.138		0.108	U	0.104	U	0.102	U	0.109	U
Cadmium	2.5	2.5	0.713		0.324	U	0.399		0.344		0.659	
Calcium	~	~	15,400		15,300		8,150		6,910		12,600	
Chromium	~	~	19.400		23		17.700		43.800		41.700	
Cobalt	~	~	7.950		14.200		7.610		14.500		17.500	
Copper	50	270	106		46.100		29.800		27.200		54.7	
Iron	~	~	17,900		24,300		14,700		29,300		31600	
Lead	63	400	398		150		109		35.600		285	
Magnesium	~	~	4,150		7,310		3,900		7,500		9,970	

Table 1. Soil Analytical Results
Phase II Environmental Subsurface Investigation
580-610 Gerard Avenue
Bronx, New York

Sample ID	NYSDEC Part 375	NYSDEC Part 375	SB-1 (0'-2')		SB-1 (21'-23')		SB-2 (0'-2')		SB-2 (21'-23')		SB-3 (0'-2')	
Sampling Date	Unrestricted Use	Restricted Use	8/10/2018		8/10/2018		8/10/2018		8/10/2018		8/10/2018	
Client Matrix	Soil Cleanup	Soil Cleanup	Soil		Soil		Soil		Soil		Soil	
Compound	Objectives	Objectives-Residential	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Manganese	1600	2000	348		359		294		408		362	
Nickel	30	140	22.100		24		15.500		23.700		32.4	
Potassium	~	~	1,720	B	3,890	B	1,860	B	8,780	B	8,690	B
Selenium	3.9	36	1.110	U	1.080	U	1.040	U	1.020	U	1.090	U
Silver	2	36	0.554	U	0.541	U	0.518	U	0.511	U	0.544	U
Sodium	~	~	339	B	200	B	169	B	195	B	319	B
Thallium	~	~	1.110	U	1.080	U	1.040	U	1.020	U	1.090	U
Vanadium	~	~	22.900		31.300		21.600		46.700		47.500	
Zinc	109	2200	375		129		259		117		201	
Mercury by 7473	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Dilution Factor			1		1		1		1		1	
Mercury	0.18	0.81	0.395		0.457		0.171		0.0959		0.474	
Total Solids			%		%		%		%		%	
Dilution Factor			1		1		1		1		1	
% Solids	~	~	90.3		92.5		96.6		97.8		92	
Polychlorinated Biphenyls (PCB)	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Dilution Factor			1		1		1		1		10	
Aroclor 1016	~	~	0.0184	U	0.018	U	0.0172	U	0.017	U	0.18	U
Aroclor 1221	~	~	0.0184	U	0.018	U	0.0172	U	0.017	U	0.18	U
Aroclor 1232	~	~	0.0184	U	0.018	U	0.0172	U	0.017	U	0.18	U
Aroclor 1242	~	~	0.0184	U	0.018	U	0.0172	U	0.017	U	0.18	U
Aroclor 1248	~	~	0.0184	U	0.018	U	0.0172	U	0.017	U	0.18	U
Aroclor 1254	~	~	0.0184	U	0.018	U	0.0172	U	0.017	U	7.69	D
Aroclor 1260	~	~	0.0184	U	0.018	U	0.0342		0.0499		1.41	D
Total PCBs	0.1	1	0.0184	U	0.018	U	0.0342		0.0499		9.11	D

Table 1. Soil Analytical Results
Phase II Environmental Subsurface Investigation
580-610 Gerard Avenue
Bronx, New York

Sample ID	NYSDEC Part 375	NYSDEC Part 375	SB-4 (0'-2')		SB-4 (17'-19')		SB-5 (0'-2')		SB-5 (10'-12')		SB-6 (0'-2')	
Sampling Date	Unrestricted Use	Restricted Use	8/10/2018		8/10/2018		8/10/2018		8/10/2018		8/10/2018	
Client Matrix	Soil Cleanup	Soil Cleanup	Soil		Soil		Soil		Soil		Soil	
Compound	Objectives	Objectives-Residential	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Volatile Organics, 8260 - Comprehensive	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Dilution Factor			1		1		1		1		1	
1,1,1,2-Tetrachloroethane	~	~	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
1,1,1-Trichloroethane	0.68	100	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
1,1,2,2-Tetrachloroethane	~	~	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	~	~	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
1,1,2-Trichloroethane	~	~	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
1,1-Dichloroethane	0.27	19	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
1,1-Dichloroethylene	0.33	100	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
1,2,3-Trichlorobenzene	~	~	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
1,2,3-Trichloropropane	~	~	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
1,2,4-Trichlorobenzene	~	~	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
1,2,4-Trimethylbenzene	3.6	47	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
1,2-Dibromo-3-chloropropane	~	~	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
1,2-Dibromoethane	~	~	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
1,2-Dichlorobenzene	1.1	100	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
1,2-Dichloroethane	0.02	2.3	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
1,2-Dichloropropane	~	~	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
1,3,5-Trimethylbenzene	8.4	47	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
1,3-Dichlorobenzene	2.4	17	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
1,4-Dichlorobenzene	1.8	9.8	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
1,4-Dioxane	0.1	9.8	0.06	U	0.054	U	0.052	U	0.064	U	0.055	U
2-Butanone	0.12	100	0.003	U	0.0027	U	0.0026	U	0.011		0.0031	J
2-Hexanone	~	~	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
4-Methyl-2-pentanone	~	~	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
Acetone	0.05	100	0.03		0.074		0.040		0.17		0.11	
Acrolein	~	~	0.006	U	0.0054	U	0.0052	U	0.0064	U	0.0055	U
Acrylonitrile	~	~	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
Benzene	0.06	2.9	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0031	J
Bromochloromethane	~	~	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
Bromodichloromethane	~	~	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
Bromoform	~	~	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
Bromomethane	~	~	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
Carbon disulfide	~	~	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
Carbon tetrachloride	0.76	1.4	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
Chlorobenzene	1.1	100	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
Chloroethane	~	~	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
Chloroform	0.37	10	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
Chloromethane	~	~	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
cis-1,2-Dichloroethylene	0.25	59	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
cis-1,3-Dichloropropylene	~	~	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
Cyclohexane	~	~	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
Dibromochloromethane	~	~	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
Dibromomethane	~	~	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
Dichlorodifluoromethane	~	~	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
Ethyl Benzene	1	30	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
Hexachlorobutadiene	~	~	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U

Table 1. Soil Analytical Results
Phase II Environmental Subsurface Investigation
580-610 Gerard Avenue
Bronx, New York

Sample ID	NYSDEC Part 375	NYSDEC Part 375	SB-4 (0'-2')		SB-4 (17'-19')		SB-5 (0'-2')		SB-5 (10'-12')		SB-6 (0'-2')	
Sampling Date	Unrestricted Use	Restricted Use	8/10/2018		8/10/2018		8/10/2018		8/10/2018		8/10/2018	
Client Matrix	Soil Cleanup	Soil Cleanup	Soil		Soil		Soil		Soil		Soil	
Compound	Objectives	Objectives-Residential	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Isopropylbenzene	~	~	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
Methyl acetate	~	~	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
Methyl tert-butyl ether (MTBE)	0.93	62	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
Methylcyclohexane	~	~	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
Methylene chloride	0.05	51	0.006	U	0.0054	U	0.0052	U	0.012	J	0.0055	U
n-Butylbenzene	12	100	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
n-Propylbenzene	3.9	100	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
o-Xylene	~	~	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
p- & m- Xylenes	~	~	0.006	U	0.0054	U	0.0052	U	0.0064	U	0.0055	U
p-Isopropyltoluene	~	~	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
sec-Butylbenzene	11	100	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
Styrene	~	~	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
tert-Butyl alcohol (TBA)	~	~	0.011		0.014		0.0026	U	0.14		0.017	
tert-Butylbenzene	5.9	100	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
Tetrachloroethylene	1.3	5.5	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
Toluene	0.7	100	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
trans-1,2-Dichloroethylene	0.19	100	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
trans-1,3-Dichloropropylene	~	~	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
trans-1,4-dichloro-2-butene	~	~	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
Trichloroethylene	0.47	10	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
Trichlorofluoromethane	~	~	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
Vinyl Chloride	0.02	0.21	0.003	U	0.0027	U	0.0026	U	0.0032	U	0.0028	U
Xylenes, Total	0.26	100	0.009	U	0.008	U	0.0078	U	0.0097	U	0.0083	U
Semi-Volatiles, 8270 - Comprehensive												
Dilution Factor	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
			2		2		2		2		2	
1,1-Biphenyl	~	~	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U
1,2,4,5-Tetrachlorobenzene	~	~	0.0997	U	0.0895	U	0.0871	U	0.107	U	0.0920	U
1,2,4-Trichlorobenzene	~	~	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U
1,2-Dichlorobenzene	1.1	100	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U
1,2-Diphenylhydrazine (as Azobenzene)	~	~	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U
1,3-Dichlorobenzene	2.4	17	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U
1,4-Dichlorobenzene	1.8	9.8	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U
2,3,4,6-Tetrachlorophenol	~	~	0.0997	U	0.0895	U	0.0871	U	0.107	U	0.0920	U
2,4,5-Trichlorophenol	~	~	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U
2,4,6-Trichlorophenol	~	~	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U
2,4-Dichlorophenol	~	~	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U
2,4-Dimethylphenol	~	~	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U
2,4-Dinitrophenol	~	~	0.0997	U	0.0895	U	0.0871	U	0.107	U	0.0920	U
2,4-Dinitrotoluene	~	~	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U
2,6-Dinitrotoluene	~	~	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U
2-Chloronaphthalene	~	~	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U
2-Chlorophenol	~	~	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U
2-Methylnaphthalene	~	~	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U
2-Methylphenol	0.33	100	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U
2-Nitroaniline	~	~	0.0997	U	0.0895	U	0.0871	U	0.107	U	0.0920	U
2-Nitrophenol	~	~	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U
3- & 4-Methylphenols	~	~	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U

Table 1. Soil Analytical Results
Phase II Environmental Subsurface Investigation
580-610 Gerard Avenue
Bronx, New York

Sample ID	NYSDEC Part 375	NYSDEC Part 375	SB-4 (0'-2')		SB-4 (17'-19')		SB-5 (0'-2')		SB-5 (10'-12')		SB-6 (0'-2')	
Sampling Date	Unrestricted Use	Restricted Use	8/10/2018		8/10/2018		8/10/2018		8/10/2018		8/10/2018	
Client Matrix	Soil Cleanup	Soil Cleanup	Soil		Soil		Soil		Soil		Soil	
Compound	Objectives	Objectives-Residential	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
3,3-Dichlorobenzidine	~	~	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U
3-Nitroaniline	~	~	0.0997	U	0.0895	U	0.0871	U	0.107	U	0.0920	U
4,6-Dinitro-2-methylphenol	~	~	0.0997	U	0.0895	U	0.0871	U	0.107	U	0.0920	U
4-Bromophenyl phenyl ether	~	~	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U
4-Chloro-3-methylphenol	~	~	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U
4-Chloroaniline	~	~	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U
4-Chlorophenyl phenyl ether	~	~	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U
4-Nitroaniline	~	~	0.0997	U	0.0895	U	0.0871	U	0.107	U	0.0920	U
4-Nitrophenol	~	~	0.0997	U	0.0895	U	0.0871	U	0.107	U	0.0920	U
Acenaphthene	20	100	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.179	D
Acenaphthylene	100	100	0.0725	JD	0.0448	U	0.0436	U	0.0538	U	0.0706	JD
Acetophenone	~	~	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U
Aniline	~	~	0.200	U	0.179	U	0.174	U	0.215	U	0.184	U
Anthracene	100	100	0.169	D	0.0448	U	0.0494	JD	0.0538	U	0.451	D
Atrazine	~	~	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U
Benzaldehyde	~	~	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U
Benzidine	~	~	0.200	U	0.179	U	0.174	U	0.215	U	0.184	U
Benzo(a)anthracene	1	1	0.504	D	0.0448	U	0.135	D	0.0538	U	1.05	D
Benzo(a)pyrene	1	1	0.560	D	0.0448	U	0.129	D	0.0538	U	1.1	D
Benzo(b)fluoranthene	1	1	0.469	D	0.0448	U	0.113	D	0.0538	U	0.886	D
Benzo(g,h,i)perylene	100	100	0.318	D	0.0448	U	0.0724	JD	0.0538	U	0.562	D
Benzo(k)fluoranthene	0.8	1	0.484	D	0.0448	U	0.117	D	0.0538	U	0.903	D
Benzoic acid	~	~	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U
Benzyl alcohol	~	~	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U
Benzyl butyl phthalate	~	~	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U
Bis(2-chloroethoxy)methane	~	~	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U
Bis(2-chloroethyl)ether	~	~	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U
Bis(2-chloroisopropyl)ether	~	~	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U
Bis(2-ethylhexyl)phthalate	~	~	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U
Caprolactam	~	~	0.0997	U	0.0895	U	0.0871	U	0.107	U	0.0920	U
Carbazole	~	~	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.128	D
Chrysene	1	1	0.523	D	0.0448	U	0.143	D	0.0538	U	1.09	D
Dibenzo(a,h)anthracene	0.33	0.33	0.104	D	0.0448	U	0.0436	U	0.0538	U	0.200	D
Dibenzofuran	7	14	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0757	JD
Diethyl phthalate	~	~	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U
Dimethyl phthalate	~	~	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U
Di-n-butyl phthalate	~	~	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U
Di-n-octyl phthalate	~	~	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U
Fluoranthene	100	100	0.980	D	0.0448	U	0.336	D	0.0867	JD	2.62	D
Fluorene	30	100	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.148	D
Hexachlorobenzene	0.33	0.33	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U
Hexachlorobutadiene	~	~	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U
Hexachlorocyclopentadiene	~	~	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U
Hexachloroethane	~	~	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U
Indeno(1,2,3-cd)pyrene	0.5	0.5	0.269	D	0.0448	U	0.0654	JD	0.0538	U	0.515	D
Isophorone	~	~	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U
Naphthalene	12	100	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U

Table 1. Soil Analytical Results
Phase II Environmental Subsurface Investigation
580-610 Gerard Avenue
Bronx, New York

Sample ID	NYSDEC Part 375	NYSDEC Part 375	SB-4 (0'-2')		SB-4 (17'-19')		SB-5 (0'-2')		SB-5 (10'-12')		SB-6 (0'-2')	
Sampling Date	Unrestricted Use	Restricted Use	8/10/2018		8/10/2018		8/10/2018		8/10/2018		8/10/2018	
Client Matrix	Soil Cleanup	Soil Cleanup	Soil		Soil		Soil		Soil		Soil	
Compound	Objectives	Objectives-Residential	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Nitrobenzene	~	~	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U
N-Nitrosodimethylamine	~	~	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U
N-nitroso-di-n-propylamine	~	~	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U
N-Nitrosodiphenylamine	~	~	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U
Pentachlorophenol	0.8	2.4	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U
Phenanthrene	100	100	0.561	D	0.0448	U	0.275	D	0.0635	JD	1.980	D
Phenol	0.33	100	0.0500	U	0.0448	U	0.0436	U	0.0538	U	0.0461	U
Pyrene	100	100	0.889	D	0.0448	U	0.276	D	0.0773	JD	2.200	D
Pesticides, 8081 target list	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Dilution Factor			5		5		5		5		5	
4,4'-DDD	0.0033	2.6	0.00198	U	0.00176	U	0.00171	U	0.00212	U	0.00181	U
4,4'-DDE	0.0033	1.8	0.00198	U	0.00176	U	0.00171	U	0.00212	U	0.00181	U
4,4'-DDT	0.0033	1.7	0.00198	U	0.00176	U	0.00171	U	0.00212	U	0.00469	D
Aldrin	0.005	0.019	0.00198	U	0.00176	U	0.00171	U	0.00212	U	0.00181	U
alpha-BHC	0.02	0.097	0.00198	U	0.00176	U	0.00171	U	0.00212	U	0.00181	U
alpha-Chlordane	0.094	0.91	0.00198	U	0.00176	U	0.00171	U	0.00212	U	0.00181	U
beta-BHC	0.036	0.072	0.00198	U	0.00176	U	0.00171	U	0.00212	U	0.00181	U
Chlordane, total	~	~	0.0396	U	0.0352	U	0.0343	U	0.0425	U	0.0362	U
delta-BHC	0.04	100	0.00198	U	0.00176	U	0.00171	U	0.00212	U	0.00181	U
Dieldrin	0.005	0.039	0.00198	U	0.00176	U	0.00171	U	0.00212	U	0.00242	D
Endosulfan I	2.4	4.8	0.00198	U	0.00176	U	0.00171	U	0.00212	U	0.00181	U
Endosulfan II	2.4	4.8	0.00198	U	0.00176	U	0.00171	U	0.00212	U	0.00181	U
Endosulfan sulfate	2.4	4.8	0.00198	U	0.00176	U	0.00171	U	0.00212	U	0.00181	U
Endrin	0.014	2.2	0.00198	U	0.00176	U	0.00171	U	0.00212	U	0.00372	D
Endrin aldehyde	~	~	0.00198	U	0.00176	U	0.00171	U	0.00212	U	0.00203	D
Endrin ketone	~	~	0.00198	U	0.00176	U	0.00171	U	0.00212	U	0.00181	U
gamma-BHC (Lindane)	0.1	0.28	0.00198	U	0.00176	U	0.00171	U	0.00212	U	0.00181	U
gamma-Chlordane	~	~	0.00198	U	0.00176	U	0.00171	U	0.00212	U	0.00181	U
Heptachlor	0.042	0.42	0.00198	U	0.00176	U	0.00171	U	0.00212	U	0.00181	U
Heptachlor epoxide	~	~	0.00198	U	0.00176	U	0.00171	U	0.00212	U	0.00181	U
Methoxychlor	~	~	0.00989	U	0.00880	U	0.00857	U	0.0106	U	0.00904	U
Toxaphene	~	~	0.100	U	0.0891	U	0.0868	U	0.107	U	0.0915	U
Metals, Target Analyte	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Dilution Factor			1		1		1		1		1	
Aluminum	~	~	10,400		7,140		7,860		8,570	B	8,850	B
Antimony	~	~	1.300	B	0.536	U	0.522	U	1.940		1.640	
Arsenic	13	16	5.460		1.550		1.770		3.800		4.790	
Barium	350	350	938		29.900		57.300		62.100		215	
Beryllium	7.2	14	0.120	U	0.212		0.184		0.129	U	0.110	U
Cadmium	2.5	2.5	0.384		0.322	U	0.313	U	0.386	U	0.753	
Calcium	~	~	14,600		851		1,920		10,000		10,200	
Chromium	~	~	23.900		10.7		13.3		20.4		17	
Cobalt	~	~	10.300		6.060		4.830		6.370		7.6	
Copper	50	270	41.400		11.500		11.700		13.100		46.8	
Iron	~	~	18,400		13,700		11,100		13,800		14,600	
Lead	63	400	397		5.460		59.100		18.200		328	
Magnesium	~	~	4,690		2,820		2,870		3,020		3,340	

Table 1. Soil Analytical Results
Phase II Environmental Subsurface Investigation
580-610 Gerard Avenue
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Sample ID	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Restricted Use	SB-4 (0'-2') 8/10/2018 Soil		SB-4 (17'-19') 8/10/2018 Soil		SB-5 (0'-2') 8/10/2018 Soil		SB-5 (10'-12') 8/10/2018 Soil		SB-6 (0'-2') 8/10/2018 Soil	
Client Matrix	Soil Cleanup Objectives	Soil Cleanup Objectives- Residential	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Compound												
Manganese	1600	2000	293		257		289		377		240	
Nickel	30	140	19.500		12.8		11		15.600		16.700	
Potassium	~	~	2,480	B	1,040	B	1,110	B	1,700		1,460	
Selenium	3.9	36	1.200	U	1.070	U	1.040	U	1.290	U	1.1	U
Silver	2	36	0.600	U	0.536	U	0.522	U	0.644	U	0.551	U
Sodium	~	~	387	B	96.8	B	170	B	348	B	311	B
Thallium	~	~	1.200	U	1.07	U	1.040	U	1.290	U	1.100	U
Vanadium	~	~	29.200		13.9		15.4		18.6		19.9	
Zinc	109	2200	210		38.2		87.3		47.4		262	
Mercury by 7473	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Dilution Factor			1		1		1		1		1	
Mercury	0.18	0.81	0.909		0.0322	U	0.0873		0.0386	U	0.286	
Total Solids			%		%		%		%		%	
Dilution Factor			1		1		1		1		1	
% Solids	~	~	83.4		93.2		95.8		77.6		90.7	
Polychlorinated Biphenyls (PCB)	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Dilution Factor			10		1		1		1		1	
Aroclor 1016	~	~	0.2	U	0.0178	U	0.0173	U	0.0214	U	0.0183	U
Aroclor 1221	~	~	0.2	U	0.0178	U	0.0173	U	0.0214	U	0.0183	U
Aroclor 1232	~	~	0.2	U	0.0178	U	0.0173	U	0.0214	U	0.0183	U
Aroclor 1242	~	~	0.2	U	0.0178	U	0.0173	U	0.0214	U	0.0183	U
Aroclor 1248	~	~	0.2	U	0.0178	U	0.0173	U	0.0214	U	0.0183	U
Aroclor 1254	~	~	1.84	D	0.0178	U	0.0173	U	0.0214	U	0.0183	U
Aroclor 1260	~	~	3.13	D	0.0178	U	0.0173	U	0.0214	U	0.0302	
Total PCBs	0.1	1	4.97	D	0.0178	U	0.0173	U	0.0214	U	0.0302	

Table 1. Soil Analytical Results
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Sample ID	NYSDEC Part 375	NYSDEC Part 375	SB-6 (10'-12')		SB-7 (0'-2')		SB-7 (10'-12')		SB-8 (0'-2')		SB-8 (17'-19')	
Sampling Date	Unrestricted Use	Restricted Use	8/10/2018		8/10/2018		8/10/2018		8/10/2018		8/10/2018	
Client Matrix	Soil Cleanup	Soil Cleanup	Soil		Soil		Soil		Soil		Soil	
Compound	Objectives	Objectives-Residential	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Volatile Organics, 8260 - Comprehensive	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Dilution Factor			1		1		1		1		1	
1,1,1,2-Tetrachloroethane	~	~	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
1,1,1-Trichloroethane	0.68	100	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
1,1,2,2-Tetrachloroethane	~	~	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	~	~	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
1,1,2-Trichloroethane	~	~	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
1,1-Dichloroethane	0.27	19	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
1,1-Dichloroethylene	0.33	100	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
1,2,3-Trichlorobenzene	~	~	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
1,2,3-Trichloropropane	~	~	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
1,2,4-Trichlorobenzene	~	~	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
1,2,4-Trimethylbenzene	3.6	47	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
1,2-Dibromo-3-chloropropane	~	~	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
1,2-Dibromoethane	~	~	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
1,2-Dichlorobenzene	1.1	100	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
1,2-Dichloroethane	0.02	2.3	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
1,2-Dichloropropane	~	~	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
1,3,5-Trimethylbenzene	8.4	47	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
1,3-Dichlorobenzene	2.4	17	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
1,4-Dichlorobenzene	1.8	9.8	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
1,4-Dioxane	0.1	9.8	0.063	U	0.054	U	0.055	U	0.055	U	0.053	U
2-Butanone	0.12	100	0.021		0.0027	U	0.009		0.0027	U	0.0039	J
2-Hexanone	~	~	0.0031	U	0.0027	U	0.003	U	0.0027	U	0.0027	U
4-Methyl-2-pentanone	~	~	0.0031	U	0.0027	U	0.003	U	0.0027	U	0.0027	U
Acetone	0.05	100	0.14		0.036		0.099		0.019		0.027	
Acrolein	~	~	0.0063	U	0.0054	U	0.0055	U	0.0055	U	0.0053	U
Acrylonitrile	~	~	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
Benzene	0.06	2.9	0.0031	U	0.0027	U	0.0029	J	0.0027	U	0.0027	U
Bromochloromethane	~	~	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
Bromodichloromethane	~	~	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
Bromoform	~	~	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
Bromomethane	~	~	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
Carbon disulfide	~	~	0.0031	U	0.0027	U	0.0039	J	0.0027	U	0.0027	U
Carbon tetrachloride	0.76	1.4	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
Chlorobenzene	1.1	100	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
Chloroethane	~	~	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
Chloroform	0.37	10	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
Chloromethane	~	~	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
cis-1,2-Dichloroethylene	0.25	59	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
cis-1,3-Dichloropropylene	~	~	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
Cyclohexane	~	~	0.0031	U	0.0027	U	0.023		0.0027	U	0.0027	U
Dibromochloromethane	~	~	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
Dibromomethane	~	~	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
Dichlorodifluoromethane	~	~	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
Ethyl Benzene	1	30	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
Hexachlorobutadiene	~	~	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U

Table 1. Soil Analytical Results
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Bronx, New York

Sample ID	NYSDEC Part 375	NYSDEC Part 375	SB-6 (10'-12')		SB-7 (0'-2')		SB-7 (10'-12')		SB-8 (0'-2')		SB-8 (17'-19')	
Sampling Date	Unrestricted Use	Restricted Use	8/10/2018		8/10/2018		8/10/2018		8/10/2018		8/10/2018	
Client Matrix	Soil Cleanup	Soil Cleanup	Soil		Soil		Soil		Soil		Soil	
Compound	Objectives	Objectives-Residential	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Isopropylbenzene	~	~	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
Methyl acetate	~	~	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
Methyl tert-butyl ether (MTBE)	0.93	62	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
Methylcyclohexane	~	~	0.0031	U	0.0027	U	0.058		0.0027	U	0.0027	U
Methylene chloride	0.05	51	0.0063	U	0.0054	U	0.0055	U	0.0079	J	0.0053	U
n-Butylbenzene	12	100	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
n-Propylbenzene	3.9	100	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
o-Xylene	~	~	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
p- & m- Xylenes	~	~	0.0063	U	0.0054	U	0.0055	U	0.0055	U	0.0053	U
p-Isopropyltoluene	~	~	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
sec-Butylbenzene	11	100	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
Styrene	~	~	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
tert-Butyl alcohol (TBA)	~	~	0.01		0.0065		0.01		0.0027	U	0.0027	U
tert-Butylbenzene	5.9	100	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
Tetrachloroethylene	1.3	5.5	0.0031	U	0.0027	U	0.0027	U	0.014		0.012	
Toluene	0.7	100	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
trans-1,2-Dichloroethylene	0.19	100	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
trans-1,3-Dichloropropylene	~	~	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
trans-1,4-dichloro-2-butene	~	~	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
Trichloroethylene	0.47	10	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
Trichlorofluoromethane	~	~	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
Vinyl Chloride	0.02	0.21	0.0031	U	0.0027	U	0.0027	U	0.0027	U	0.0027	U
Xylenes, Total	0.26	100	0.0094	U	0.0082	U	0.0082	U	0.0082	U	0.0080	U
Semi-Volatiles, 8270 - Comprehensive	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Dilution Factor			2		20		2		2		2	
1,1-Biphenyl	~	~	0.0526	U	0.0588	JD	0.0457	U	0.0457	U	0.0444	U
1,2,4,5-Tetrachlorobenzene	~	~	0.105	U	0.0908	U	0.0911	U	0.0912	U	0.0885	U
1,2,4-Trichlorobenzene	~	~	0.0526	U	0.0455	U	0.0457	U	0.0457	U	0.0444	U
1,2-Dichlorobenzene	1.1	100	0.0526	U	0.0455	U	0.0457	U	0.0457	U	0.0444	U
1,2-Diphenylhydrazine (as Azobenzene)	~	~	0.0526	U	0.0455	U	0.0457	U	0.0457	U	0.0444	U
1,3-Dichlorobenzene	2.4	17	0.0526	U	0.0455	U	0.0457	U	0.0457	U	0.0444	U
1,4-Dichlorobenzene	1.8	9.8	0.0526	U	0.0455	U	0.0457	U	0.0457	U	0.0444	U
2,3,4,6-Tetrachlorophenol	~	~	0.105	U	0.0908	U	0.0911	U	0.0912	U	0.0885	U
2,4,5-Trichlorophenol	~	~	0.0526	U	0.0455	U	0.0457	U	0.0457	U	0.0444	U
2,4,6-Trichlorophenol	~	~	0.0526	U	0.0455	U	0.0457	U	0.0457	U	0.0444	U
2,4-Dichlorophenol	~	~	0.0526	U	0.0455	U	0.0457	U	0.0457	U	0.0444	U
2,4-Dimethylphenol	~	~	0.0526	U	0.0455	U	0.0457	U	0.0457	U	0.0444	U
2,4-Dinitrophenol	~	~	0.105	U	0.0908	U	0.0911	U	0.0912	U	0.0885	U
2,4-Dinitrotoluene	~	~	0.0526	U	0.0455	U	0.0457	U	0.0457	U	0.0444	U
2,6-Dinitrotoluene	~	~	0.0526	U	0.0455	U	0.0457	U	0.0457	U	0.0444	U
2-Chloronaphthalene	~	~	0.0526	U	0.0455	U	0.0457	U	0.0457	U	0.0444	U
2-Chlorophenol	~	~	0.0526	U	0.0455	U	0.0457	U	0.0457	U	0.0444	U
2-Methylnaphthalene	~	~	0.0526	U	0.139	D	0.0457	U	0.0457	U	0.0444	U
2-Methylphenol	0.33	100	0.0526	U	0.0455	U	0.0457	U	0.0457	U	0.0444	U
2-Nitroaniline	~	~	0.105	U	0.0908	U	0.0911	U	0.0912	U	0.0885	U
2-Nitrophenol	~	~	0.0526	U	0.0455	U	0.0457	U	0.0457	U	0.0444	U
3- & 4-Methylphenols	~	~	0.0526	U	0.0455	U	0.0457	U	0.0457	U	0.0444	U

Table 1. Soil Analytical Results
Phase II Environmental Subsurface Investigation
580-610 Gerard Avenue
Bronx, New York

Sample ID	NYSDEC Part 375	NYSDEC Part 375	SB-6 (10'-12')		SB-7 (0'-2')		SB-7 (10'-12')		SB-8 (0'-2')		SB-8 (17'-19')	
Sampling Date	Unrestricted Use	Restricted Use	8/10/2018		8/10/2018		8/10/2018		8/10/2018		8/10/2018	
Client Matrix	Soil Cleanup	Soil Cleanup	Soil		Soil		Soil		Soil		Soil	
Compound	Objectives	Objectives-Residential	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
3,3-Dichlorobenzidine	~	~	0.0526	U	0.0455	U	0.0457	U	0.0457	U	0.0444	U
3-Nitroaniline	~	~	0.105	U	0.0908	U	0.0911	U	0.0912	U	0.0885	U
4,6-Dinitro-2-methylphenol	~	~	0.105	U	0.0908	U	0.0911	U	0.0912	U	0.0885	U
4-Bromophenyl phenyl ether	~	~	0.0526	U	0.0455	U	0.0457	U	0.0457	U	0.0444	U
4-Chloro-3-methylphenol	~	~	0.0526	U	0.0455	U	0.0457	U	0.0457	U	0.0444	U
4-Chloroaniline	~	~	0.0526	U	0.0455	U	0.0457	U	0.0457	U	0.0444	U
4-Chlorophenyl phenyl ether	~	~	0.0526	U	0.0455	U	0.0457	U	0.0457	U	0.0444	U
4-Nitroaniline	~	~	0.105	U	0.0908	U	0.0911	U	0.0912	U	0.0885	U
4-Nitrophenol	~	~	0.105	U	0.0908	U	0.0911	U	0.0912	U	0.0885	U
Acenaphthene	20	100	0.0526	U	1.340	D	0.0998	D	0.0457	U	0.0481	JD
Acenaphthylene	100	100	0.0526	U	0.100	D	0.0685	JD	0.144	D	0.0444	U
Acetophenone	~	~	0.0526	U	0.0455	U	0.0457	U	0.0457	U	0.0444	U
Aniline	~	~	0.210	U	0.182	U	0.182	U	0.183	U	0.177	U
Anthracene	100	100	0.0526	U	3.220	D	0.299	D	0.174	D	0.166	D
Atrazine	~	~	0.0526	U	0.0455	U	0.0457	U	0.0457	U	0.0444	U
Benzaldehyde	~	~	0.0526	U	0.0455	U	0.0457	U	0.0457	U	0.0444	U
Benzidine	~	~	0.210	U	0.182	U	0.182	U	0.183	U	0.177	U
Benzo(a)anthracene	1	1	0.143	D	5.77	D	1.1	D	1	D	0.395	D
Benzo(a)pyrene	1	1	0.165	D	5.64	D	1.32	D	1.11	D	0.377	D
Benzo(b)fluoranthene	1	1	0.139	D	4.48	D	0.924	D	0.876	D	0.291	D
Benzo(g,h,i)perylene	100	100	0.104	JD	2.890	D	0.653	D	0.543	D	0.189	D
Benzo(k)fluoranthene	0.8	1	0.153	D	4.59	D	0.928	D	0.918	D	0.31	D
Benzoic acid	~	~	0.0526	U	0.0455	U	0.0457	U	0.0457	U	0.0444	U
Benzyl alcohol	~	~	0.0526	U	0.0455	U	0.0457	U	0.0457	U	0.0444	U
Benzyl butyl phthalate	~	~	0.0526	U	0.0455	U	0.0457	U	0.0457	U	0.0444	U
Bis(2-chloroethoxy)methane	~	~	0.0526	U	0.0455	U	0.0457	U	0.0457	U	0.0444	U
Bis(2-chloroethyl)ether	~	~	0.0526	U	0.0455	U	0.0457	U	0.0457	U	0.0444	U
Bis(2-chloroisopropyl)ether	~	~	0.0526	U	0.0455	U	0.0457	U	0.0457	U	0.0444	U
Bis(2-ethylhexyl)phthalate	~	~	0.225	D	0.0455	U	0.263	D	0.0457	U	0.273	D
Caprolactam	~	~	0.105	U	0.0908	U	0.0911	U	0.0912	U	0.0885	U
Carbazole	~	~	0.0526	U	1.190	D	0.0457	U	0.0457	U	0.0444	U
Chrysene	1	1	0.16	D	6.09	D	1.21	D	0.982	D	0.413	D
Dibenzo(a,h)anthracene	0.33	0.33	0.0526	U	1.09	D	0.216	D	0.215	D	0.0637	JD
Dibenzofuran	7	14	0.0526	U	0.576	D	0.0457	U	0.0457	U	0.0444	U
Diethyl phthalate	~	~	0.0526	U	0.0455	U	0.0457	U	0.0457	U	0.0444	U
Dimethyl phthalate	~	~	0.0526	U	0.0455	U	0.0457	U	0.0457	U	0.0444	U
Di-n-butyl phthalate	~	~	0.0526	U	0.0455	U	0.0457	U	0.0457	U	0.0444	U
Di-n-octyl phthalate	~	~	0.0526	U	0.0455	U	0.0457	U	0.0457	U	0.0444	U
Fluoranthene	100	100	0.328	D	14.600	D	1.91	D	1.65	D	0.726	D
Fluorene	30	100	0.0526	U	1.200	D	0.0845	JD	0.0457	U	0.0502	JD
Hexachlorobenzene	0.33	0.33	0.0526	U	0.0455	U	0.0457	U	0.0457	U	0.0444	U
Hexachlorobutadiene	~	~	0.0526	U	0.0455	U	0.0457	U	0.0457	U	0.0444	U
Hexachlorocyclopentadiene	~	~	0.0526	U	0.0455	U	0.0457	U	0.0457	U	0.0444	U
Hexachloroethane	~	~	0.0526	U	0.0455	U	0.0457	U	0.0457	U	0.0444	U
Indeno(1,2,3-cd)pyrene	0.5	0.5	0.0880	JD	2.84	D	0.538	D	0.532	D	0.16	D
Isophorone	~	~	0.0526	U	0.0455	U	0.0457	U	0.0457	U	0.0444	U
Naphthalene	12	100	0.0526	U	0.370	D	0.0457	U	0.0457	U	0.0444	U

Table 1. Soil Analytical Results
Phase II Environmental Subsurface Investigation
580-610 Gerard Avenue
Bronx, New York

Sample ID	NYSDEC Part 375	NYSDEC Part 375	SB-6 (10'-12')		SB-7 (0'-2')		SB-7 (10'-12')		SB-8 (0'-2')		SB-8 (17'-19')	
Sampling Date	Unrestricted Use	Restricted Use	8/10/2018		8/10/2018		8/10/2018		8/10/2018		8/10/2018	
Client Matrix	Soil Cleanup	Soil Cleanup	Soil		Soil		Soil		Soil		Soil	
Compound	Objectives	Objectives-Residential	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Nitrobenzene	~	~	0.0526	U	0.0455	U	0.0457	U	0.0457	U	0.0444	U
N-Nitrosodimethylamine	~	~	0.0526	U	0.0455	U	0.0457	U	0.0457	U	0.0444	U
N-nitroso-di-n-propylamine	~	~	0.0526	U	0.0455	U	0.0457	U	0.0457	U	0.0444	U
N-Nitrosodiphenylamine	~	~	0.0526	U	0.0455	U	0.0457	U	0.0457	U	0.0444	U
Pentachlorophenol	0.8	2.4	0.0526	U	0.0455	U	0.0457	U	0.0457	U	0.0444	U
Phenanthrene	100	100	0.238	D	12.500	D	1.15	D	0.351	D	0.675	D
Phenol	0.33	100	0.0526	U	0.0455	U	0.0457	U	0.0457	U	0.0444	U
Pyrene	100	100	0.286	D	12.400	D	2.26	D	1.56	D	0.786	D
Pesticides, 8081 target list	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Dilution Factor			5		5		5		5		5	
4,4'-DDD	0.0033	2.6	0.00207	U	0.00179	U	0.00179	U	0.0591	D	0.00175	U
4,4'-DDE	0.0033	1.8	0.00207	U	0.00241	D	0.00179	U	0.0562	D	0.00175	U
4,4'-DDT	0.0033	1.7	0.00207	U	0.0114	D	0.00179	U	0.179	D	0.00248	D
Aldrin	0.005	0.019	0.00207	U	0.00179	U	0.00179	U	0.00376	D	0.00175	U
alpha-BHC	0.02	0.097	0.00207	U	0.00179	U	0.00179	U	0.0018	U	0.00175	U
alpha-Chlordane	0.094	0.91	0.00207	U	0.00179	U	0.00179	U	0.0018	U	0.00175	U
beta-BHC	0.036	0.072	0.00207	U	0.00179	U	0.00179	U	0.0018	U	0.00175	U
Chlordane, total	~	~	0.0415	U	0.0358	U	0.0358	U	0.036	U	0.0349	U
delta-BHC	0.04	100	0.00207	U	0.00179	U	0.00179	U	0.0018	U	0.00175	U
Dieldrin	0.005	0.039	0.00207	U	0.00381	D	0.00179	U	0.0018	U	0.00175	U
Endosulfan I	2.4	4.8	0.00207	U	0.00179	U	0.00179	U	0.0018	U	0.00175	U
Endosulfan II	2.4	4.8	0.00207	U	0.00179	U	0.00179	U	0.0018	U	0.00175	U
Endosulfan sulfate	2.4	4.8	0.00207	U	0.00179	U	0.00179	U	0.0018	U	0.00175	U
Endrin	0.014	2.2	0.00207	U	0.00179	U	0.00179	U	0.0018	U	0.00328	D
Endrin aldehyde	~	~	0.00207	U	0.00179	U	0.00179	U	0.0018	U	0.00175	U
Endrin ketone	~	~	0.00207	U	0.00763	D	0.00179	U	0.0018	U	0.00175	U
gamma-BHC (Lindane)	0.1	0.28	0.00207	U	0.00179	U	0.00179	U	0.0018	U	0.00175	U
gamma-Chlordane	~	~	0.00207	U	0.00179	U	0.00179	U	0.0018	U	0.00175	U
Heptachlor	0.042	0.42	0.00207	U	0.00179	U	0.00179	U	0.0018	U	0.00175	U
Heptachlor epoxide	~	~	0.00207	U	0.00179	U	0.00179	U	0.0018	U	0.00175	U
Methoxychlor	~	~	0.0104	U	0.00895	U	0.00896	U	0.00901	U	0.00873	U
Toxaphene	~	~	0.105	U	0.0906	U	0.0907	U	0.0911	U	0.0884	U
Metals, Target Analyte	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Dilution Factor			1		1		1		1		1	
Aluminum	~	~	23,400	B	8,210	B	7,370	B	11,700	B	12,200	B
Antimony	~	~	4.710		1.770		4.44		1.84		2.940	
Arsenic	13	16	7.070		6.330		6.39		6.07		13	
Barium	350	350	879		179		104		166		194	
Beryllium	7.2	14	0.126	U	0.109	U	0.109	U	0.11	U	0.106	U
Cadmium	2.5	2.5	1.080		0.574		0.642		0.71		5.02	
Calcium	~	~	16,700		23,200		50,400		24,000		35,800	
Chromium	~	~	58.1		19		21.1		21.3		27.8	
Cobalt	~	~	26.4		8.52		7.21		15.6		13.6	
Copper	50	270	43.9		103		98.6		39.4		81.2	
Iron	~	~	45,400		19,600		22,800		18,400		29,000	
Lead	63	400	92.2		358		338		225		273	
Magnesium	~	~	14,100		5,600		5,110		7,260		7,230	

Table 1. Soil Analytical Results
Phase II Environmental Subsurface Investigation
580-610 Gerard Avenue
Bronx, New York

Sample ID	NYSDEC Part 375	NYSDEC Part 375	SB-6 (10'-12')		SB-7 (0'-2')		SB-7 (10'-12')		SB-8 (0'-2')		SB-8 (17'-19')	
Sampling Date	Unrestricted Use	Restricted Use	8/10/2018		8/10/2018		8/10/2018		8/10/2018		8/10/2018	
Client Matrix	Soil Cleanup	Soil Cleanup	Soil		Soil		Soil		Soil		Soil	
Compound	Objectives	Objectives-Residential	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Manganese	1600	2000	650		299		351		834		393	
Nickel	30	140	47.2		20.9		17.9		25.500		27.6	
Potassium	~	~	15,000		2,010		1,620		2,740		4,510	
Selenium	3.9	36	1.26	U	1.09	U	1.09	U	1.1	U	1.060	U
Silver	2	36	0.629	U	0.545	U	0.546	U	0.548	U	0.531	U
Sodium	~	~	424	B	572	B	462	B	268	B	435	B
Thallium	~	~	1.260	U	1.09	U	1.09	U	1.1	U	1.06	U
Vanadium	~	~	73.3		26.4		21.1		26.7		31.2	
Zinc	109	2200	232		253		210		554		2,110	
Mercury by 7473	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Dilution Factor			1		1		1		1		1	
Mercury	0.18	0.81	0.0860		0.694		0.583		1.71		0.78	
Total Solids			%		%		%		%		%	
Dilution Factor			1		1		1		1		1	
% Solids	~	~	79.5		91.8		91.5		91.2		94.2	
Polychlorinated Biphenyls (PCB)	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Dilution Factor			1		1		1		1		1	
Aroclor 1016	~	~	0.0209	U	0.0181	U	0.0181	U	0.0182	U	0.0176	U
Aroclor 1221	~	~	0.0209	U	0.0181	U	0.0181	U	0.0182	U	0.0176	U
Aroclor 1232	~	~	0.0209	U	0.0181	U	0.0181	U	0.0182	U	0.0176	U
Aroclor 1242	~	~	0.0209	U	0.0181	U	0.0181	U	0.0182	U	0.0176	U
Aroclor 1248	~	~	0.0209	U	0.0181	U	0.0181	U	0.0182	U	0.0176	U
Aroclor 1254	~	~	0.0209	U	0.0181	U	0.0181	U	0.571		0.0176	U
Aroclor 1260	~	~	0.0209	U	0.109		0.0181	U	0.387		0.0176	U
Total PCBs	0.1	1	0.0209	U	0.109		0.0181	U	0.958		0.0176	U

NOTES:

mg/Kg = milligrams per kilogram

Any Regulatory Exceedences are bold and shaded.

Q is the Qualifier Column with definitions as follows:

D=result is from an analysis that required a dilution

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

U=analyte not detected at or above the level indicated

B=analyte found in the analysis batch blank

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

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

Table 2. Groundwater Analytical Results
Phase II Environmental Subsurface Investigation
580-610 Gerard Avenue
Bronx, New York

Sample ID Sampling Date Client Matrix	NYSDEC TOGS Standards and Guidance Values -	SB-2 (GW) 8/10/2018 Water		SB-5 (GW) 8/10/2018 Water		Trip Blank 8/10/2018 Water	
Compound	GA	Result	Q			Result	Q
Volatile Organics, 8260 - Comprehensive	µg/L	µg/L		ug/L		µg/L	
Dilution Factor		10		1		1	
1,1,1,2-Tetrachloroethane	5	1	U	0.2	U	0.2	U
1,1,1-Trichloroethane	5	1	U	0.2	U	0.2	U
1,1,2,2-Tetrachloroethane	5	1	U	0.2	U	0.2	U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5	1	U	0.2	U	0.2	U
1,1,2-Trichloroethane	1	1	U	0.2	U	0.2	U
1,1-Dichloroethane	5	1	U	0.2	U	0.2	U
1,1-Dichloroethylene	5	1	U	0.2	U	0.2	U
1,2,3-Trichlorobenzene	5	1	U	0.2	U	0.2	U
1,2,3-Trichloropropane	0.04	1	U	0.2	U	0.2	U
1,2,4-Trichlorobenzene	5	1	U	0.2	U	0.2	U
1,2,4-Trimethylbenzene	5	1,200	D	3		0.2	U
1,2-Dibromo-3-chloropropane	0.04	1	U	0.2	U	0.2	U
1,2-Dibromoethane	0.0006	1	U	0.2	U	0.2	U
1,2-Dichlorobenzene	3	1	U	0.2	U	0.2	U
1,2-Dichloroethane	0.6	1	U	0.2	U	0.2	U
1,2-Dichloropropane	1	1	U	0.2	U	0.2	U
1,3,5-Trimethylbenzene	5	340	D	1.2		0.2	U
1,3-Dichlorobenzene	3	1	U	0.2	U	0.2	U
1,4-Dichlorobenzene	3	1	U	0.2	U	0.2	U
1,4-Dioxane	~	200	U	40	U	40	U
2-Butanone	50	1	U	0.2	U	0.2	U
2-Hexanone	50	1	U	0.2	U	0.2	U
4-Methyl-2-pentanone	~	1	U	0.2	U	0.2	U
Acetone	50	5	U	1	U	1	U
Acrolein	~	1	U	0.2	U	0.2	U
Acrylonitrile	~	1	U	0.2	U	0.2	U
Benzene	1	1	U	0.2	U	0.2	U
Bromochloromethane	5	1	U	0.2	U	0.2	U
Bromodichloromethane	50	1	U	0.95		0.2	U
Bromoform	50	1	U	0.2	U	0.2	U
Bromomethane	5	1	U	0.2	U	0.2	U
Carbon disulfide	~	1	U	0.2	U	0.2	U
Carbon tetrachloride	5	1	U	0.2	U	0.2	U
Chlorobenzene	5	1	U	0.2	U	0.2	U
Chloroethane	5	1	U	0.2	U	0.2	U
Chloroform	7	10	D	16		0.2	U
Chloromethane	5	1	U	0.2	U	0.2	U
cis-1,2-Dichloroethylene	5	1	U	0.2	U	0.2	U
cis-1,3-Dichloropropylene	0.4	1	U	0.2	U	0.2	U
Cyclohexane	~	95	D	0.2	U	0.2	U
Dibromochloromethane	50	1	U	0.2	U	0.2	U
Dibromomethane	~	1	U	0.2	U	0.2	U
Dichlorodifluoromethane	5	1	U	0.2	U	0.2	U
Ethyl Benzene	5	1	U	0.2	U	0.2	U
Hexachlorobutadiene	0.5	1	U	0.2	U	0.2	U
Isopropylbenzene	5	47	D	0.2	U	0.2	U
Methyl acetate	~	1	U	0.2	U	0.2	U
Methyl tert-butyl ether (MTBE)	10	1	U	0.2	U	0.2	U
Methylcyclohexane	~	180	D	0.47	J	0.2	U
Methylene chloride	5	5	U	1	U	1	U
n-Butylbenzene	5	43	D	0.2	U	0.2	U
n-Propylbenzene	5	110	D	0.4	J	0.2	U
o-Xylene	5	1	U	0.2	U	0.2	U
p- & m- Xylenes	5	3.2	JD	0.5	U	0.5	U
p-Isopropyltoluene	5	7.2	D	0.2	U	0.2	U
sec-Butylbenzene	5	12	D	0.2	U	0.2	U
Styrene	5	1	U	0.2	U	0.2	U
tert-Butyl alcohol (TBA)	~	2.5	U	0.5	U	0.5	U
tert-Butylbenzene	5	1	U	0.2	U	0.2	U
Tetrachloroethylene	5	1	U	0.2	U	0.2	U
Toluene	5	1.6	JD	0.2	U	0.2	U
trans-1,2-Dichloroethylene	5	1	U	0.2	U	0.2	U
trans-1,3-Dichloropropylene	0.4	1	U	0.2	U	0.2	U
trans-1,4-dichloro-2-butene	~	1	U	0.2	U	0.2	U
Trichloroethylene	5	1	U	0.2	U	0.2	U
Trichlorofluoromethane	5	1	U	0.2	U	0.2	U
Vinyl Chloride	2	1	U	0.2	U	0.2	U
Xylenes, Total	5	3.2	JD	0.6	U	0.6	U

Table 2. Groundwater Analytical Results
Phase II Environmental Subsurface Investigation
580-610 Gerard Avenue
Bronx, New York

Sample ID Sampling Date Client Matrix	NYSDEC TOGS Standards and Guidance Values -	SB-2 (GW) 8/10/2018 Water		SB-5 (GW) 8/10/2018 Water		Trip Blank 8/10/2018 Water	
Compound	GA	Result	Q			Result	Q
Semi-Volatiles, 8270 - Comprehensive	µg/L	µg/L		µg/L			
Dilution Factor		5		1			
1,1-Biphenyl	~	3.12	U	3.03	U	NA	
1,2,4,5-Tetrachlorobenzene	~	3.12	U	3.03	U	NA	
1,2,4-Trichlorobenzene	5	3.12	U	3.03	U	NA	
1,2-Dichlorobenzene	3	3.12	U	3.03	U	NA	
1,2-Diphenylhydrazine (as Azobenzene)	~	3.12	U	3.03	U	NA	
1,3-Dichlorobenzene	3	3.12	U	3.03	U	NA	
1,4-Dichlorobenzene	3	3.12	U	3.03	U	NA	
2,3,4,6-Tetrachlorophenol	~	3.12	U	3.03	U	NA	
2,4,5-Trichlorophenol	1	3.12	U	3.03	U	NA	
2,4,6-Trichlorophenol	1	3.12	U	3.03	U	NA	
2,4-Dichlorophenol	5	3.12	U	3.03	U	NA	
2,4-Dimethylphenol	50	3.12	U	3.03	U	NA	
2,4-Dinitrophenol	10	3.12	U	3.03	U	NA	
2,4-Dinitrotoluene	5	3.12	U	3.03	U	NA	
2,6-Dinitrotoluene	5	3.12	U	3.03	U	NA	
2-Chloronaphthalene	10	3.12	U	3.03	U	NA	
2-Chlorophenol	1	3.12	U	3.03	U	NA	
2-Methylnaphthalene	~	96.6	D	3.03	U	NA	
2-Methylphenol	1	3.12	U	3.03	U	NA	
2-Nitroaniline	5	3.12	U	3.03	U	NA	
2-Nitrophenol	1	3.12	U	3.03	U	NA	
3- & 4-Methylphenols	~	3.12	U	3.03	U	NA	
3,3-Dichlorobenzidine	5	3.12	U	3.03	U	NA	
3-Nitroaniline	5	3.12	U	3.03	U	NA	
4,6-Dinitro-2-methylphenol	~	3.12	U	3.03	U	NA	
4-Bromophenyl phenyl ether	~	3.12	U	3.03	U	NA	
4-Chloro-3-methylphenol	1	3.12	U	3.03	U	NA	
4-Chloroaniline	5	3.12	U	3.03	U	NA	
4-Chlorophenyl phenyl ether	~	3.12	U	3.03	U	NA	
4-Nitroaniline	5	3.12	U	3.03	U	NA	
4-Nitrophenol	1	3.12	U	3.03	U	NA	
Acenaphthene	20	0.1		0.0606	U	NA	
Acenaphthylene	~	0.0625	U	0.0606	U	NA	
Acetophenone	~	3.12	U	3.03	U	NA	
Aniline	5	3.12	U	3.03	U	NA	
Anthracene	50	0.0625	U	0.0606	U	NA	
Atrazine	~	0.625	U	0.606	U	NA	
Benzaldehyde	~	3.12	U	3.03	U	NA	
Benzidine	~	12.5	U	12.1	U	NA	
Benzo(a)anthracene	0.002	0.0625	U	0.0606	U	NA	
Benzo(a)pyrene	0.002	0.0625	U	0.0606	U	NA	
Benzo(b)fluoranthene	0.002	0.0625	U	0.0606	U	NA	
Benzo(g,h,i)perylene	~	0.0625	U	0.0606	U	NA	
Benzo(k)fluoranthene	0.002	0.0625	U	0.0606	U	NA	
Benzoic acid	~	31.2	U	30.3	U	NA	
Benzyl alcohol	~	3.12	U	3.03	U	NA	
Benzyl butyl phthalate	50	3.12	U	3.03	U	NA	
Bis(2-chloroethoxy)methane	5	3.12	U	3.03	U	NA	
Bis(2-chloroethyl)ether	1	3.12	U	3.03	U	NA	
Bis(2-chloroisopropyl)ether	5	3.12	U	3.03	U	NA	
Bis(2-ethylhexyl)phthalate	5	0.75		0.885		NA	
Caprolactam	~	3.12	U	3.03	U	NA	
Carbazole	~	3.12	U	3.03	U	NA	
Chrysene	0.002	0.0625	U	0.0606	U	NA	
Dibenzo(a,h)anthracene	~	0.0625	U	0.0606	U	NA	
Dibenzofuran	~	3.12	U	3.03	U	NA	
Diethyl phthalate	50	3.12	U	3.03	U	NA	
Dimethyl phthalate	50	3.12	U	3.03	U	NA	
Di-n-butyl phthalate	50	3.12	U	3.03	U	NA	
Di-n-octyl phthalate	50	3.12	U	3.03	U	NA	
Fluoranthene	50	0.0625	U	0.0606	U	NA	
Fluorene	50	0.1		0.0606	U	NA	
Hexachlorobenzene	0.04	0.025	U	0.0242	U	NA	
Hexachlorobutadiene	0.5	0.625	U	0.606	U	NA	
Hexachlorocyclopentadiene	5	3.12	U	3.03	U	NA	
Hexachloroethane	5	0.625	U	0.606	U	NA	
Indeno(1,2,3-cd)pyrene	0.002	0.0625	U	0.0606	U	NA	
Isophorone	50	3.12	U	3.03	U	NA	

Table 2. Groundwater Analytical Results
Phase II Environmental Subsurface Investigation
580-610 Gerard Avenue
Bronx, New York

Sample ID Sampling Date Client Matrix	NYSDEC TOGS Standards and Guidance Values -	SB-2 (GW) 8/10/2018 Water		SB-5 (GW) 8/10/2018 Water		Trip Blank 8/10/2018 Water	
Compound	GA	Result	Q			Result	Q
Naphthalene	10	19.6		0.145		NA	
Nitrobenzene	0.4	0.312	U	0.303	U	NA	
N-Nitrosodimethylamine	~	0.625	U	0.606	U	NA	
N-nitroso-di-n-propylamine	~	3.12	U	3.03	U	NA	
N-Nitrosodiphenylamine	50	3.12	U	3.03	U	NA	
Pentachlorophenol	1	0.312	U	0.303	U	NA	
Phenanthrene	50	0.15		0.0848		NA	
Phenol	1	3.12	U	3.03	U	NA	
Pyrene	50	0.0625	U	0.0606	U	NA	
Pesticides, 8081 target list	µg/L	µg/L		µg/L			
Dilution Factor		1		1			
4,4'-DDD	0.3	0.00457	U	0.00485	U	NA	
4,4'-DDE	0.2	0.00457	U	0.00485	U	NA	
4,4'-DDT	0.2	0.00457	U	0.00485	U	NA	
Aldrin	~	0.00457	U	0.00485	U	NA	
alpha-BHC	0.01	0.00457	U	0.00485	U	NA	
alpha-Chlordane	~	0.00457	U	0.00485	U	NA	
beta-BHC	0.04	0.00457	U	0.00485	U	NA	
Chlordane, total	0.05	0.0229	U	0.0242	U	NA	
delta-BHC	0.04	0.00457	U	0.00485	U	NA	
Dieldrin	0.004	0.00229	U	0.00242	U	NA	
Endosulfan I	~	0.00457	U	0.00485	U	NA	
Endosulfan II	~	0.00457	U	0.00485	U	NA	
Endosulfan sulfate	~	0.00457	U	0.00485	U	NA	
Endrin	~	0.00457	U	0.00485	U	NA	
Endrin aldehyde	5	0.0114	U	0.0121	U	NA	
Endrin ketone	5	0.0114	U	0.0121	U	NA	
gamma-BHC (Lindane)	0.05	0.00457	U	0.00485	U	NA	
gamma-Chlordane	~	0.0114	U	0.0121	U	NA	
Heptachlor	0.04	0.00457	U	0.00485	U	NA	
Heptachlor epoxide	0.03	0.00457	U	0.00485	U	NA	
Methoxychlor	35	0.00457	U	0.00485	U	NA	
Toxaphene	0.06	0.114	U	0.121	U	NA	
Metals, TAL, ICPMS	µg/L	µg/L					
Dilution Factor		1					
Aluminum	~	830		NT		NA	
Antimony	3	1	U	1	U	NA	
Arsenic	25	1	U	1	U	NA	
Barium	1000	68		76.4		NA	
Beryllium	3	0.3	U	0.3	U	NA	
Cadmium	5	0.746		0.5	U	NA	
Chromium	50	4.79		3.85		NA	
Cobalt	~	2.94		2.5		NA	
Copper	200	11		5.17		NA	
Iron	~	1730	B	1780	B	NA	
Lead	25	22.3		2.51		NA	
Manganese	300	111		259		NA	
Nickel	100	3.4		4.7		NA	
Selenium	10	1	U	1.1		NA	
Silver	50	1	U	1	U	NA	
Thallium	~	1	U	1	U	NA	
Vanadium	~	3.51		3.71		NA	
Zinc	2000	19.9		48.2		NA	
Metals, TAL, ICPMS Dissolved	µg/L	µg/L					
Dilution Factor		1					
Aluminum	~	396		322		NA	
Antimony	3	1	U	1	U	NA	
Arsenic	25	1	U	1	U	NA	
Barium	1000	68.7		62.9		NA	
Beryllium	3	0.3	U	0.3	U	NA	
Cadmium	5	0.76		0.5	U	NA	
Chromium	50	3.17		1.7		NA	
Cobalt	~	2.51		1.03		NA	
Copper	200	6.75		2.56		NA	
Iron	~	1290		712		NA	
Lead	25	19.6		1.55		NA	
Manganese	300	105		122		NA	
Nickel	100	2.42		2.07		NA	
Selenium	10	1	U	1	U	NA	
Silver	50	1	U	1	U	NA	

Table 2. Groundwater Analytical Results
Phase II Environmental Subsurface Investigation
580-610 Gerard Avenue
Bronx, New York

Sample ID Sampling Date Client Matrix	NYSDEC TOGS Standards and Guidance Values -	SB-2 (GW) 8/10/2018 Water		SB-5 (GW) 8/10/2018 Water		Trip Blank 8/10/2018 Water	
Compound	GA	Result	Q			Result	Q
Thallium	~	1	U	1	U	NA	
Vanadium	~	1.4		1		NA	
Zinc	2000	18.8		481		NA	
Mercury by 7473	µg/L	µg/L					
Dilution Factor		1					
Mercury	0.7	0.2	U	0.2	U	NA	
Mercury by 7473, Dissolved	µg/L	µg/L					
Dilution Factor		1					
Mercury	0.7	0.2	U	0.2	U	NA	
Polychlorinated Biphenyls (PCB)	µg/L	µg/L					
Dilution Factor		1					
Aroclor 1016	~	0.0571	U	0.0606	U	NA	
Aroclor 1221	~	0.0571	U	0.0606	U	NA	
Aroclor 1232	~	0.0571	U	0.0606	U	NA	
Aroclor 1242	~	0.0571	U	0.0606	U	NA	
Aroclor 1248	~	0.0571	U	0.0606	U	NA	
Aroclor 1254	~	0.0571	U	0.0606	U	NA	
Aroclor 1260	~	0.0571	U	0.0836		NA	
Total PCBs	0.09	0.0571	U	0.0836		NA	

NOTES:

µg/L = micrograms per liter

Any Regulatory Exceedences are bold and shaded

Q is the Qualifier Column with definitions as follows:

D=result is from an analysis that required a dilution

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

U=analyte not detected at or above the level indicated

B=analyte found in the analysis batch blank

NA=Not Analyzed

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

Table 3. Soil Vapor Analytical Results
Phase II Environmental Subsurface Investigation
580-610 Gerard Avenue
Bronx, New York

Sample ID	SV-1	SV-2	SV-3	SV-4
Sampling Date	8/10/2018	8/10/2018	8/10/2018	8/10/2018
Client Matrix	Soil Vapor	Soil Vapor	Soil Vapor	Soil Vapor
Compound	Result	Result	Result	Result
Volatile Organics, EPA TO15 Full List	µg/m3	µg/m3	µg/m3	µg/m3
Dilution Factor	34.06	33.22	17.33	1.546
1,1,1,2-Tetrachloroethane	1.1U	1.1U	1.1U	1.1U
1,1,1-Trichloroethane	4.6D	0.84U	0.84U	0.84U
1,1,2,2-Tetrachloroethane	1.1U	1.1U	1.1U	1.1U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1.2U	1.2U	1.2U	1.2U
1,1,2-Trichloroethane	0.84U	0.84U	0.84U	0.84U
1,1-Dichloroethane	0.63U	0.63U	0.63U	0.63U
1,1-Dichloroethylene	0.15U	0.15U	0.15U	0.15U
1,2,4-Trichlorobenzene	1.1U	1.1U	1.1U	1.1U
1,2,4-Trimethylbenzene	8.2D	10D	47D	12D
1,2-Dibromoethane	1.2U	1.2U	1.2U	1.2U
1,2-Dichlorobenzene	0.93U	0.93U	0.93U	0.93U
1,2-Dichloroethane	0.63U	0.63U	0.63U	0.63U
1,2-Dichloropropane	0.71U	0.71U	0.71U	0.71U
1,2-Dichlorotetrafluoroethane	1.1U	1.1U	1.1U	1.1U
1,3,5-Trimethylbenzene	0.76U	0.76U	25D	0.76U
1,3-Butadiene	4.5D	1U	7.8D	1U
1,3-Dichlorobenzene	7.7D	0.93U	0.93U	0.93U
1,3-Dichloropropane	0.71U	0.71U	0.71U	0.71U
1,4-Dichlorobenzene	0.93U	0.93U	0.93U	0.93U
1,4-Dioxane	1.1U	1.1U	1.1U	1.1U
2-Butanone	120D	26D	62D	25D
2-Hexanone	1.3U	1.3U	1.3U	1.3U
3-Chloropropene	2.4U	2.4U	2.4U	2.4U
4-Methyl-2-pentanone	8D	0.63U	8.8D	3.5D
Acetone	660D	150D	180D	110D
Acrylonitrile	0.34U	0.34U	0.34U	0.34U
Benzene	7.6D	4.4D	23D	3.1D
Benzyl chloride	0.8U	0.8U	0.8U	0.8U
Bromodichloromethane	1U	1U	1U	1U
Bromoform	1.6U	1.6U	1.6U	1.6U
Bromomethane	0.6U	0.6U	0.6U	0.6U
Carbon disulfide	0.48U	12D	31D	43D
Carbon tetrachloride	0.24U	0.24U	0.24U	0.24U
Chlorobenzene	0.71U	0.71U	0.71U	0.71U
Chloroethane	0.41U	0.41U	0.41U	0.41U
Chloroform	0.75U	0.75U	4.5D	0.75U
Chloromethane	0.32U	1.6D	3.3D	1.9D
cis-1,2-Dichloroethylene	0.15U	0.15U	0.15U	0.15U
cis-1,3-Dichloropropylene	0.7U	0.7U	0.7U	0.7U
Cyclohexane	7.2D	3.7D	46D	11D
Dibromochloromethane	1.3U	1.3U	1.3U	1.3U
Dichlorodifluoromethane	0.76U	0.76U	0.76U	0.76U
Ethyl acetate	1.1U	1.1U	1.1U	1.1U
Ethyl Benzene	7.5D	7.9D	22D	8.2D
Hexachlorobutadiene	1.6U	1.6U	1.6U	1.6U
Isopropanol	140D	67D	60D	47D
Methyl Methacrylate	0.63U	0.63U	0.63U	0.63U
Methyl tert-butyl ether (MTBE)	0.56U	0.56U	8.4D	0.56U
Methylene chloride	1.1U	37D	6.9D	6.2D
n-Heptane	21D	0.63U	120D	0.63U
n-Hexane	11D	8.4D	75D	11D
o-Xylene	11D	11D	28D	12D
p- & m- Xylenes	30D	31D	73D	32D
p-Ethyltoluene	0.76U	0.76U	29D	0.76U
Propylene	28D	15D	130DE	27D
Styrene	0.66U	0.66U	0.66U	0.66U
Tetrachloroethylene	56D	460D	44D	35D
Tetrahydrofuran	16D	5.6D	22D	6.2D
Toluene	26D	18D	47D	22D
trans-1,2-Dichloroethylene	0.61U	0.61U	0.61U	0.61U
trans-1,3-Dichloropropylene	0.7U	0.7U	0.7U	0.7U
Trichloroethylene	0.21U	0.21U	0.21U	0.21U
Trichlorofluoromethane (Freon 11)	0.87U	0.87U	0.87U	0.87U
Vinyl acetate	0.54U	0.54U	0.54U	0.54U
Vinyl bromide	0.68U	0.68U	0.68U	0.68U
Vinyl Chloride	0.099U	0.099U	0.099U	0.099U

NOTES:
µg/m3 = microgram per cubic meter

Q is the Qualifier Column with definitions as follows:
D=result is from an analysis that required a dilution
U=analyte not detected at or above the level indicated
E=result is estimated and cannot be accurately reported due to levels encountered or interferences

Appendix A

Soil Boring Logs



GEI Consultants, Inc. P.C.
110 Walt Whitman Road
Suite 204
Huntington Station,
New York 11746

CLIENT: Hunton Andrews Kurth LLP
PROJECT: Gerard Avenue
CITY/STATE: Bronx, New York
GEI PROJECT NUMBER: 1803080

BORING LOG

PAGE
1 of 1

SB-1

NORTHING (FT): _____ EASTING (FT): _____

LOCATION: 580-610 Gerard Avenue

DRILLED BY: Cascade Drilling / Luke Caballero

TOTAL DEPTH (FT): 25.0

LOGGED BY: Bill Fitchett

DATUM VERT. / HORZ.: _____

DATE START / END: 8/10/2018 - 8/10/2018

DRILLING DETAILS: Direct Push / Geoprobe 7822DT

WATER LEVEL DEPTHS (FT): ▼ 24.00 8/10/2018

GENERAL NOTE: _____

ELEV. FT.	DEPTH FT.	SAMPLE INFO			STRATA	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
		TYPE and NO.	PEN/REC FT./FT.	PID (PPM)			
	0	S1	5/3	0.0		SB-1 (0'-2')	(0'- 0.25') dry, asphalt. (0.25'- 5') POORLY GRADED SAND (SP); ~100% sand, fine, ~0% gravel, ~0% fines; dry, dark brown, no visual impacts.
	5	S2	5/1.5	0.0			(5'- 9.5') POORLY GRADED SAND (SP); ~100% sand, fine, ~0% gravel, ~0% fines; dry, dark brown, no visual impacts.
	10	S3	5/3	0.0			(9.5'- 12') POORLY GRADED SAND (SP); ~100% sand, fine, ~0% gravel, ~0% fines; dry, dark brown, no visual impacts, brick fragments encountered. (12'- 15') SILT (ML); ~100% fines, ~0% gravel, ~0% sand; dry, tan, no visual impacts.
	15	S4	5/3	0.0			(15'- 18') POORLY GRADED SAND (SP); ~100% sand, fine, ~0% gravel, ~0% fines; dry, dark brown, no visual impacts, brick fragments encountered.
	20	S5	5/4	0.0		SB-1 (21'-23')	(18'- 20') SANDY SILT (ML); ~90% fines, ~10% sand, fine, ~0% gravel; dry, tan, no visual impacts. (20'- 22.5') POORLY GRADED SAND (SP); ~100% sand, fine, ~0% gravel, ~0% fines; dry, dark brown, no visual impacts, brick fragments encountered. (22.5'- 23.5') POORLY GRADED SAND WITH SILT (SP-SM); ~90% sand, fine, ~10% fines, ~0% gravel; moist, dark brown, no visual impacts. (23.5'- 25') POORLY GRADED SAND WITH SILT (SP-SM); ~90% sand, fine, ~10% fines, ~0% gravel; moist, tan, no visual impacts.
	25						End of Boring at 25 feet, Refusal.

NOTES:

PEN = PENETRATION LENGTH OF SAMPLER OR CORE BARREL
REC = RECOVERY LENGTH OF SAMPLE
PID = PHOTOIONIZATION DETECTOR READING (PPM)
JHS = JAR HEADSPACE PID READING (PPM)

ppm = PARTS PER MILLION
IN. = INCHES
FT. = FEET

NLO = NAPHTHALENE LIKE ODOR
PLO = PETROLEUM LIKE ODOR
TLO = TAR LIKE ODOR
CLO = CHEMICAL LIKE ODOR
ALO = ASPHALT LIKE ODOR

CrLO = CREOSOTE LIKE ODOR
OLO = ORGANIC LIKE ODOR
SLO = SULFUR LIKE ODOR
MLO = MUSTY LIKE ODOR

NA = NOT APPLICABLE Q_p = POCKET PENETROMETER
NM = NOT MEASURED S_v = TORVANE PEAK

ENVIRONMENTAL BORING LOG 580-610 GERARD AVE.GPJ GEI TEMPLATE 11-7-13.GDT 8/30/18



GEI Consultants, Inc. P.C.
110 Walt Whitman Road
Suite 204
Huntington Station,
New York 11746

CLIENT: **Hunton Andrews Kurth LLP**
PROJECT: **Gerard Avenue**
CITY/STATE: **Bronx, New York**
GEI PROJECT NUMBER: **1803080**

BORING LOG

PAGE
1 of 1

SB-2

NORTHING (FT): _____ EASTING (FT): _____

LOCATION: **580-610 Gerard Avenue**

DRILLED BY: **Cascade Drilling / Luke Caballero**

TOTAL DEPTH (FT): **25.0**

LOGGED BY: **Bill Fitchett**

DATUM VERT. / HORZ.: _____

DATE START / END: **8/10/2018 - 8/10/2018**

DRILLING DETAILS: **Direct Push / Geoprobe 7822DT**

WATER LEVEL DEPTHS (FT): **▼ 24.00 8/10/2018**

GENERAL NOTE: _____

ELEV. FT.	DEPTH FT.	SAMPLE INFO			STRATA	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
		TYPE and NO.	PEN/REC FT./FT.	PID (PPM)			
	0	S1	5/2	0.0		SB-2 (0'-2')	(0'- 0.25') ~70% sand, ~25% fines, ~5% gravel; dry, asphalt. (0.25'- 3') POORLY GRADED SAND WITH GRAVEL (SP); ~95% sand, fine, ~5% gravel, ~0% fines; max. gravel size 0.25, dry, dark brown, no visual impacts.
	5	S2	5/3	14.8			(3'- 5') POORLY GRADED SAND WITH GRAVEL (SP); ~95% sand, fine, ~5% gravel, ~0% fines; max. gravel size 0.25, dry, tan, no visual impacts. (5'- 6.75') WELL GRADED SAND (SP); ~100% sand, fine to medium, ~0% gravel, ~0% fines; dry, dark brown, no visual impacts.
	10	S3	5/4	2.3			(6.75'- 8.5') POORLY GRADED SAND (SP); ~100% sand, fine, ~0% gravel, ~0% fines; dry, dark brown, no visual impacts. (8.5'- 10') SANDY SILT (ML); ~70% fines, ~30% sand, fine, ~0% gravel; dry, tan, no visual impacts.
	15	S4	5/3.3	0.0			(10'- 11.5') POORLY GRADED SAND WITH GRAVEL (SP); ~95% sand, fine, ~5% gravel, ~0% fines; dry, dark brown, no visual impacts. (11.5'- 15') POORLY GRADED SAND (SP); ~90% sand, fine, ~10% fines, ~0% gravel; dry, light brown, no visual impacts.
	20	S5	1/1	0.0		SB-2 (21'-23')	(15'- 16') POORLY GRADED SAND (SP); ~100% sand, fine, ~0% gravel, ~0% fines; dry, tan, no visual impacts. (16'- 17.5') POORLY GRADED SAND (SP); ~100% sand, fine, ~0% gravel, ~0% fines; dry, dark brown, no visual impacts.
		S6	3/2	37.0			(17.5'- 20') POORLY GRADED SAND (SP); ~90% sand, fine, ~10% fines, ~0% gravel; dry, light brown, no visual impacts.
	25	S7	1/1	5,041			(20'- 21') POORLY GRADED SAND WITH GRAVEL (SP); ~95% sand, fine, ~5% gravel, ~0% fines; max. gravel size 0.25, dry, dark brown, no visual impacts. (21'- 23') POORLY GRADED SAND WITH GRAVEL (SP); ~95% sand, fine, ~5% gravel, ~0% fines; max. gravel size 0.25, dry, dark brown, no visual impacts. (23'- 24') POORLY GRADED SAND WITH GRAVEL (SP); ~95% sand, fine, ~5% gravel, ~0% fines; max. gravel size 0.25, moist, dark brown, no visual impacts. (24'- 25') POORLY GRADED SAND WITH GRAVEL (SP); ~95% sand, fine, ~5% gravel, ~0% fines; max. gravel size 0.25, wet, dark brown, no visual impacts.
							End of Boring at 25 feet.

NOTES:

PEN = PENETRATION LENGTH OF SAMPLER OR CORE BARREL
REC = RECOVERY LENGTH OF SAMPLE
PID = PHOTOIONIZATION DETECTOR READING (PPM)
JHS = JAR HEADSPACE PID READING (PPM)

ppm = PARTS PER MILLION
IN. = INCHES
FT. = FEET

NLO = NAPHTHALENE LIKE ODOR
PLO = PETROLEUM LIKE ODOR
TLO = TAR LIKE ODOR
CLO = CHEMICAL LIKE ODOR
ALO = ASPHALT LIKE ODOR

CrLO = CREOSOTE LIKE ODOR
OLO = ORGANIC LIKE ODOR
SLO = SULFUR LIKE ODOR
MLO = MUSTY LIKE ODOR

NA = NOT APPLICABLE Q_p = POCKET PENETROMETER
NM = NOT MEASURED S_v = TORVANE PEAK

ENVIRONMENTAL BORING LOG 580-610 GERARD AVE.GPJ GEI TEMPLATE 11-7-13.GDT 8/30/18

	GEI Consultants, Inc. P.C. 110 Walt Whitman Road Suite 204 Huntington Station, New York 11746	CLIENT: <u>Hunton Andrews Kurth LLP</u>		BORING LOG	
		PROJECT: <u>Gerard Avenue</u>		PAGE 1 of 1	SB-3
		CITY/STATE: <u>Bronx, New York</u>			
		GEI PROJECT NUMBER: <u>1803080</u>			

NORTHING (FT): _____	EASTING (FT): _____	LOCATION: <u>580-610 Gerard Avenue</u>
DRILLED BY: <u>Cascade Drilling / Luke Caballero</u>	TOTAL DEPTH (FT): <u>5.0</u>	
LOGGED BY: <u>Bill Fitchett</u>	DATUM VERT. / HORZ.: _____	
DRILLING DETAILS: <u>Direct Push / Geoprobe 7822DT</u>	DATE START / END: <u>8/10/2018 - 8/10/2018</u>	
WATER LEVEL DEPTHS (FT): _____		
GENERAL NOTE: _____		

ELEV. FT.	DEPTH FT.	SAMPLE INFO			STRATA	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
		TYPE and NO.	PEN/REC FT./FT.	PID (PPM)			
	0	S1	5/48	0.0		SB-3 (0'-2')	(0'- 0.25') dry, asphalt. (0.25'- 2') POORLY GRADED SAND (SP); ~100% sand, fine, ~0% gravel, ~0% fines; dry, dark brown, no visual impacts.
	5						

End of Boring at 5 feet, Refusal.

NOTES:			
PEN = PENETRATION LENGTH OF SAMPLER OR CORE BARREL REC = RECOVERY LENGTH OF SAMPLE PID = PHOTOIONIZATION DETECTOR READING (PPM) JHS = JAR HEADSPACE PID READING (PPM)	ppm = PARTS PER MILLION IN. = INCHES FT. = FEET	NLO = NAPHTHALENE LIKE ODOR PLO = PETROLEUM LIKE ODOR TLO = TAR LIKE ODOR CLO = CHEMICAL LIKE ODOR ALO = ASPHALT LIKE ODOR	CrLO= CREOSOTE LIKE ODOR OLO = ORGANIC LIKE ODOR SLO = SULFUR LIKE ODOR MLO = MUSTY LIKE ODOR
NA = NOT APPLICABLE NM = NOT MEASURED	Q _p = POCKET PENETROMETER S _v = TORVANE PEAK		

ENVIRONMENTAL BORING LOG 580-610 GERARD AVE.GPJ GEI TEMPLATE 11-7-13.GDT 8/30/18



GEI Consultants, Inc. P.C.
110 Walt Whitman Road
Suite 204
Huntington Station,
New York 11746

CLIENT: Hunton Andrews Kurth LLP
PROJECT: Gerard Avenue
CITY/STATE: Bronx, New York
GEI PROJECT NUMBER: 1803080

BORING LOG

PAGE
1 of 1

SB-4

NORTHING (FT): _____ EASTING (FT): _____

LOCATION: 580-610 Gerard Avenue

DRILLED BY: Cascade Drilling / Luke Caballero

TOTAL DEPTH (FT): 20.0

LOGGED BY: Bill Fitchett

DATUM VERT. / HORZ.: _____

DATE START / END: 8/10/2018 - 8/10/2018

DRILLING DETAILS: Direct Push / Geoprobe 7822DT

WATER LEVEL DEPTHS (FT): ▼ 19.50 8/10/2018

GENERAL NOTE: _____

ELEV. FT.	DEPTH FT.	SAMPLE INFO			STRATA	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
		TYPE and NO.	PEN/REC FT./FT.	PID (PPM)			
	0	S1	5/3.3	0.0		SB-4 (0'-2')	(0'- 0.25') dry, asphalt. (0.25'- 5') POORLY GRADED SAND (SP); ~100% sand, fine, ~0% gravel, ~0% fines; dry, dark brown to black, rocks and brick fragments encountered, no visual impacts.
	5	S2	5/3	0.0			(5'- 7') POORLY GRADED SAND (SP); ~100% sand, fine, ~0% gravel, ~0% fines; dry, black, no visual impacts.
	10	S3	5/3	0.0			(7'- 10') POORLY GRADED SAND (SP); ~100% sand, fine, ~0% gravel, ~0% fines; dry, dark brown, rock fragments encountered, no visual impacts.
	15	S4	5/3	0.0		SB-4 (17'-19')	(10'- 11.5') POORLY GRADED SAND (SP); ~100% sand, fine, ~0% gravel, ~0% fines; dry, dark brown, no visual impacts.
	20						(11.5'- 12.5') NARROWLY GRADED GRAVEL (SP); ~100% gravel, 0.25, angular, ~0% sand, ~0% fines; max. gravel size 0.25, dry, dark brown, no visual impacts. (12.5'- 15') POORLY GRADED SAND (SP); ~100% sand, fine, ~0% gravel, ~0% fines; dry, tan, no visual impacts.
							(15'- 18') POORLY GRADED SAND (SP); ~100% sand, fine, ~0% gravel, ~0% fines; dry, dark brown to black, no visual impacts.
							(18'- 19') POORLY GRADED SAND (SP); ~90% sand, fine, ~10% fines, ~0% gravel; dry, tan, no visual impacts.
							(19'- 20') SILT (ML); ~100% fines, ~0% gravel, ~0% sand; dry to moist at bottom, gray, no visual impacts.
							End of Boring at 20 feet.

NOTES:

PEN = PENETRATION LENGTH OF SAMPLER OR CORE BARREL
REC = RECOVERY LENGTH OF SAMPLE
PID = PHOTOIONIZATION DETECTOR READING (PPM)
JHS = JAR HEADSPACE PID READING (PPM)

ppm = PARTS PER MILLION
IN. = INCHES
FT. = FEET

NLO = NAPHTHALENE LIKE ODOR
PLO = PETROLEUM LIKE ODOR
TLO = TAR LIKE ODOR
CLO = CHEMICAL LIKE ODOR
ALO = ASPHALT LIKE ODOR

CrLO = CREOSOTE LIKE ODOR
OLO = ORGANIC LIKE ODOR
SLO = SULFUR LIKE ODOR
MLO = MUSTY LIKE ODOR

NA = NOT APPLICABLE Q_p = POCKET PENETROMETER
NM = NOT MEASURED S_v = TORVANE PEAK

ENVIRONMENTAL BORING LOG 580-610 GERARD AVE.GPJ GEI TEMPLATE 11-7-13.GDT 8/30/18

	GEI Consultants, Inc. P.C. 110 Walt Whitman Road Suite 204 Huntington Station, New York 11746	CLIENT: <u>Hunton Andrews Kurth LLP</u>		BORING LOG	
		PROJECT: <u>Gerard Avenue</u>		PAGE 1 of 1	SB-5
		CITY/STATE: <u>Bronx, New York</u>			
		GEI PROJECT NUMBER: <u>1803080</u>			

NORTHING (FT): _____	EASTING (FT): _____	LOCATION: <u>580-610 Gerard Avenue</u>
DRILLED BY: <u>Cascade Drilling / Luke Caballero</u>	TOTAL DEPTH (FT): <u>20.0</u>	
LOGGED BY: <u>Bill Fitchett</u>	DATUM VERT. / HORZ.: _____	
DRILLING DETAILS: <u>Direct Push / Geoprobe 7822DT</u>		DATE START / END: <u>8/10/2018 - 8/10/2018</u>
WATER LEVEL DEPTHS (FT): _____		
GENERAL NOTE: _____		

ELEV. FT.	DEPTH FT.	SAMPLE INFO			STRATA	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
		TYPE and NO.	PEN/REC FT./FT.	PID (PPM)			
	0	S1	5/3	0.0		SB-5 (0'-2')	(0'- 0.25') dry, asphalt. (0.25'- 5') SILTY SAND (SM); ~70% sand, fine, ~30% fines, ~0% gravel; dry, dark brown, no visual impacts.
	5	S2	5/3.3	0.0			(5'- 6') SILTY SAND (SM); ~70% sand, fine, ~30% fines, ~0% gravel; dry, dark brown, no visual impacts. (6'- 17.5') POORLY GRADED SAND (SP); ~90% sand, fine, ~10% fines, ~0% gravel; dry, light brown, no visual impacts.
	10	S3	5/4.5	0.0		SB-5 (10'-12')	
	15	S4	5/3	0.0			(17.5'- 20') SILTY SAND (SM); ~70% sand, fine, ~30% fines, ~0% gravel; dry, dark brown, no visual impacts.
	20						

End of Boring at 20 feet.

NOTES:			
PEN = PENETRATION LENGTH OF SAMPLER OR CORE BARREL REC = RECOVERY LENGTH OF SAMPLE PID = PHOTOIONIZATION DETECTOR READING (PPM) JHS = JAR HEADSPACE PID READING (PPM)	ppm = PARTS PER MILLION IN. = INCHES FT. = FEET	NLO = NAPHTHALENE LIKE ODOR PLO = PETROLEUM LIKE ODOR TLO = TAR LIKE ODOR CLO = CHEMICAL LIKE ODOR ALO = ASPHALT LIKE ODOR	CrLO= CREOSOTE LIKE ODOR OLO = ORGANIC LIKE ODOR SLO = SULFUR LIKE ODOR MLO = MUSTY LIKE ODOR
NA = NOT APPLICABLE NM = NOT MEASURED	Q _p = POCKET PENETROMETER S _v = TORVANE PEAK		

ENVIRONMENTAL BORING LOG 580-610 GERARD AVE.GPJ GEI TEMPLATE 11-7-13.GDT 8/30/18



GEI Consultants, Inc. P.C.
110 Walt Whitman Road
Suite 204
Huntington Station,
New York 11746

CLIENT: **Hunton Andrews Kurth LLP**
PROJECT: **Gerard Avenue**
CITY/STATE: **Bronx, New York**
GEI PROJECT NUMBER: **1803080**

BORING LOG

PAGE
1 of 1

SB-6

NORTHING (FT): _____ EASTING (FT): _____

LOCATION: **580-610 Gerard Avenue**

DRILLED BY: **Cascade Drilling / Luke Caballero**

TOTAL DEPTH (FT): **20.0**

LOGGED BY: **Bill Fitchett**

DATUM VERT. / HORZ.: _____

DATE START / END: **8/10/2018 - 8/10/2018**

DRILLING DETAILS: **Direct Push / Geoprobe 7822DT**

WATER LEVEL DEPTHS (FT): _____

GENERAL NOTE: _____

ELEV. FT.	DEPTH FT.	SAMPLE INFO			STRATA	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
		TYPE and NO.	PEN/REC FT./FT.	PID (PPM)			
	0	S1	5/3.3	0.0		SB-6 (0'-2')	(0'- 0.25') dry, asphalt. (0.25'- 3') POORLY GRADED SAND (SP); ~100% sand, fine, ~0% gravel, ~0% fines; dry, dark brown, rock fragments encountered, no visual impacts.
	5	S2	5/3.6	0.0			(3'- 4') POORLY GRADED SAND (SP); ~100% sand, fine, ~0% gravel, ~0% fines; dry, tan, no visual impacts. (4'- 5') POORLY GRADED SAND (SP); ~100% sand, fine, ~0% gravel, ~0% fines; dry, dark brown, no visual impacts. (5'- 5.5') POORLY GRADED SAND (SP); ~90% sand, fine, ~10% fines, ~0% gravel; dry, tan, no visual impacts. (5.5'- 8.5') POORLY GRADED GRAVEL WITH SILT (GP-GM); ~90% gravel, 0.25, ~10% sand, ~0% fines; max. gravel size 0.25, dry, black, no visual impacts.
	10	S3	5/4	0.0		SB-6 (10'-12')	(8.5'- 10') POORLY GRADED SAND (SP); ~90% sand, fine, ~10% fines, ~0% gravel; dry, tan, no visual impacts. (10'- 12.5') POORLY GRADED SAND (SP); ~100% sand, fine, ~0% gravel, ~0% fines; dry, dark brown, no visual impacts.
	15	S4	5/4	0.0			(12.5'- 15') POORLY GRADED SAND (SP); ~90% sand, fine, ~10% fines, ~0% gravel; dry, tan, no visual impacts.
	20						(15'- 18') POORLY GRADED SAND (SP); ~100% sand, fine, ~0% gravel, ~0% fines; dry, dark brown, no visual impacts. (18'- 20') POORLY GRADED SAND (SP); ~90% sand, fine, ~10% fines, ~0% gravel; dry, light brown, no visual impacts.

End of Boring at 20 feet.

NOTES:

PEN = PENETRATION LENGTH OF SAMPLER OR CORE BARREL
REC = RECOVERY LENGTH OF SAMPLE
PID = PHOTOIONIZATION DETECTOR READING (PPM)
JHS = JAR HEADSPACE PID READING (PPM)

ppm = PARTS PER MILLION
IN. = INCHES
FT. = FEET

NLO = NAPHTHALENE LIKE ODOR
PLO = PETROLEUM LIKE ODOR
TLO = TAR LIKE ODOR
CLO = CHEMICAL LIKE ODOR
ALO = ASPHALT LIKE ODOR

CrLO = CREOSOTE LIKE ODOR
OLO = ORGANIC LIKE ODOR
SLO = SULFUR LIKE ODOR
MLO = MUSTY LIKE ODOR

NA = NOT APPLICABLE Q_p = POCKET PENETROMETER
NM = NOT MEASURED S_v = TORVANE PEAK

ENVIRONMENTAL BORING LOG 580-610 GERARD AVE.GPJ GEI TEMPLATE 11-7-13.GDT 8/30/18



GEI Consultants, Inc. P.C.
110 Walt Whitman Road
Suite 204
Huntington Station,
New York 11746

CLIENT: Hunton Andrews Kurth LLP
PROJECT: Gerard Avenue
CITY/STATE: Bronx, New York
GEI PROJECT NUMBER: 1803080

BORING LOG

PAGE
1 of 1

SB-7

NORTHING (FT): _____ EASTING (FT): _____

LOCATION: 580-610 Gerard Avenue

DRILLED BY: Cascade Drilling / Luke Caballero

TOTAL DEPTH (FT): 19.0

LOGGED BY: Bill Fitchett

DATUM VERT. / HORZ.: _____

DATE START / END: 8/10/2018 - 8/10/2018

DRILLING DETAILS: Direct Push / Geoprobe 7822DT

WATER LEVEL DEPTHS (FT): _____

GENERAL NOTE: _____

ELEV. FT.	DEPTH FT.	SAMPLE INFO			STRATA	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
		TYPE and NO.	PEN/REC FT./FT.	PID (PPM)				
	0	S1	5/2.75	0.0			SB-7 (0'-2')	(0'- 0.25') dry, asphalt. (0.25'- 5') WELL GRADED SAND (SW); ~100% sand, fine to medium sand, ~0% gravel, ~0% fines; dry, dark brown to black, no visual impacts.
	5	S2	2/1	0.0				(5'- 7.8') POORLY GRADED SAND (SP); ~90% sand, fine, ~10% fines, ~0% gravel; dry, dark brown, no visual impacts.
		S3	2/1	0.0				(6.5'- 8') POORLY GRADED SAND (SP); ~100% sand, fine, ~0% gravel, ~0% fines; dry, dark brown, no visual impacts.
		S4	2/1	5.9		PLO		(8'- 10') POORLY GRADED SAND (SP); ~100% sand, fine, ~0% gravel, ~0% fines; slight petroleum-like odor, dry, dark brown to black, no visual impacts.
	10	S4	2/1	27.0		PLO	SB-7 (10'-12')	(10'- 12') POORLY GRADED SAND (SP); ~100% sand, fine, ~0% gravel, ~0% fines; slight petroleum-like odor, dry, dark brown to black, no visual impacts.
		S5	3/2	0.0				(12'- 15') POORLY GRADED SAND (SP); ~100% sand, fine, ~0% gravel, ~0% fines; dry, dark brown, no visual impacts.
	15	S6	1/0.75	0.0				(14'- 16') POORLY GRADED SAND (SP); ~90% sand, fine, ~10% fines, ~0% gravel; dry, tan, no visual impacts.
		S7	2/1	0.0				(16'- 18') POORLY GRADED SAND (SP); ~90% sand, ~10% fines, ~0% gravel; moist, tan, no visual impacts.
		S8	1/0.5	0.0				(18'- 19') POORLY GRADED SAND (SP); ~90% sand, ~10% fines, ~0% gravel; wet, tan, no visual impacts.
								End of Boring at 19 feet, Refusal.

NOTES:

PEN = PENETRATION LENGTH OF SAMPLER OR CORE BARREL
REC = RECOVERY LENGTH OF SAMPLE
PID = PHOTOIONIZATION DETECTOR READING (PPM)
JHS = JAR HEADSPACE PID READING (PPM)

ppm = PARTS PER MILLION
IN. = INCHES
FT. = FEET

NLO = NAPHTHALENE LIKE ODOR
PLO = PETROLEUM LIKE ODOR
TLO = TAR LIKE ODOR
CLO = CHEMICAL LIKE ODOR
ALO = ASPHALT LIKE ODOR

CrLO = CREOSOTE LIKE ODOR
OLO = ORGANIC LIKE ODOR
SLO = SULFUR LIKE ODOR
MLO = MUSTY LIKE ODOR

NA = NOT APPLICABLE Q_p = POCKET PENETROMETER
NM = NOT MEASURED S_v = TORVANE PEAK

ENVIRONMENTAL BORING LOG 580-610 GERARD AVE.GPJ GEI TEMPLATE 11-7-13.GDT 8/30/18



GEI Consultants, Inc. P.C.
110 Walt Whitman Road
Suite 204
Huntington Station,
New York 11746

CLIENT: Hunton Andrews Kurth LLP
PROJECT: Gerard Avenue
CITY/STATE: Bronx, New York
GEI PROJECT NUMBER: 1803080

BORING LOG

PAGE
1 of 1

SB-8

NORTHING (FT): _____ EASTING (FT): _____

LOCATION: 580-610 Gerard Avenue

DRILLED BY: Cascade Drilling / Luke Caballero

TOTAL DEPTH (FT): 19.5

LOGGED BY: Bill Fitchett

DATUM VERT. / HORZ.: _____

DATE START / END: 8/10/2018 - 8/10/2018

DRILLING DETAILS: Direct Push / Geoprobe 7822DT

WATER LEVEL DEPTHS (FT): _____

GENERAL NOTE: _____

ELEV. FT.	DEPTH FT.	SAMPLE INFO			STRATA	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
		TYPE and NO.	PEN/REC FT./FT.	PID (PPM)			
	0	S1	5/4	0.0		SB-8 (0'-2')	(0'- 0.25') ASPHALT; asphalt. (0.25'- 1') POORLY GRADED SAND (SP); ~100% sand, fine, ~0% gravel, ~0% fines; dry, dark brown, brick fragments encountered, no visual impacts. (1'- 5') POORLY GRADED SAND (SP); ~100% sand, fine, ~0% gravel, ~0% fines; dry, gray to black, brick fragments encountered, no visual impacts.
	5	S2	5/3	0.0			(5'- 10') POORLY GRADED SAND (SP); ~100% sand, fine, ~0% gravel, ~0% fines; dry, dark brown, rock fragments encountered, no visual impacts.
	10	S3	5/3	0.0			(10'- 15') POORLY GRADED SAND (SP); ~100% sand, fine, ~0% gravel, ~0% fines; dry, brown to tan, rock and brick fragments encountered, no visual impacts.
	15	S3	5/2	0.0		SB-8 (17'-19')	(15'- 19') POORLY GRADED SAND (SP); ~100% sand, fine, ~0% gravel, ~0% fines; dry, dark brown to black, no visual impacts.
							(19'- 19.5') POORLY GRADED SAND (SP); ~100% sand, fine, ~0% gravel, ~0% fines; moist, tan, no visual impacts. End of Boring at 19.5 feet, Refusal.

NOTES:

PEN = PENETRATION LENGTH OF SAMPLER OR CORE BARREL
REC = RECOVERY LENGTH OF SAMPLE
PID = PHOTOIONIZATION DETECTOR READING (PPM)
JHS = JAR HEADSPACE PID READING (PPM)

ppm = PARTS PER MILLION
IN. = INCHES
FT. = FEET

NLO = NAPHTHALENE LIKE ODOR
PLO = PETROLEUM LIKE ODOR
TLO = TAR LIKE ODOR
CLO = CHEMICAL LIKE ODOR
ALO = ASPHALT LIKE ODOR

CrLO = CREOSOTE LIKE ODOR
OLO = ORGANIC LIKE ODOR
SLO = SULFUR LIKE ODOR
MLO = MUSTY LIKE ODOR

NA = NOT APPLICABLE Q_p = POCKET PENETROMETER
NM = NOT MEASURED S_v = TORVANE PEAK

ENVIRONMENTAL BORING LOG 580-610 GERARD AVE.GPJ GEI TEMPLATE 11-7-13.GDT 8/30/18

Appendix B

Laboratory Report and Chain-of-Custody Record



Technical Report

prepared for:

GEI Consultants, Inc
110 Walt Whitman Road, Suite 204
Huntington Station NY, 11746
Attention: Wendy Monterosso

Report Date: 08/20/2018
Client Project ID: 580 Gerard Ave
York Project (SDG) No.: 18H0563

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

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



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

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 08/20/2018
Client Project ID: 580 Gerard Ave
York Project (SDG) No.: 18H0563

GEI Consultants, Inc
110 Walt Whitman Road, Suite 204
Huntington Station NY, 11746
Attention: Wendy Monterosso

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 13, 2018 and listed below. The project was identified as your project: **580 Gerard Ave.**

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>
18H0563-01	SB-1 (0'-2')	Soil	08/10/2018	08/13/2018
18H0563-02	SB-1 (21'-23')	Soil	08/10/2018	08/13/2018
18H0563-03	SB-2 (0'-2')	Soil	08/10/2018	08/13/2018
18H0563-04	SB-2 (21'-23')	Soil	08/10/2018	08/13/2018
18H0563-05	SB-3 (0'-2')	Soil	08/10/2018	08/13/2018
18H0563-06	SB-4 (0'-2')	Soil	08/10/2018	08/13/2018
18H0563-07	SB-4 (17'-19')	Soil	08/10/2018	08/13/2018
18H0563-08	SB-5 (0'-2')	Soil	08/10/2018	08/13/2018
18H0563-09	SB-5 (10'-12')	Soil	08/10/2018	08/13/2018
18H0563-10	SB-6 (0'-2')	Soil	08/10/2018	08/13/2018
18H0563-11	SB-6 (10'-12')	Soil	08/10/2018	08/13/2018
18H0563-12	SB-7 (0'-2')	Soil	08/10/2018	08/13/2018
18H0563-13	SB-7 (10'-12')	Soil	08/10/2018	08/13/2018
18H0563-14	SB-8 (0'-2')	Soil	08/10/2018	08/13/2018
18H0563-15	SB-8 (17'-19')	Soil	08/10/2018	08/13/2018

General Notes for York Project (SDG) No.: 18H0563

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: 08/20/2018





Sample Information

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

York Sample ID: 18H0563-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H0563

580 Gerard Ave

Soil

August 10, 2018 3:40 pm

08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	08/16/2018 04:31	LL
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	08/16/2018 04:31	LL
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	08/16/2018 04:31	LL
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/16/2018 04:31	08/16/2018 04:31	LL
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	08/16/2018 04:31	LL
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	08/16/2018 04:31	LL
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	08/16/2018 04:31	LL
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	08/16/2018 04:31	LL
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/16/2018 04:31	08/16/2018 04:31	LL
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	08/16/2018 04:31	LL
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	08/16/2018 04:31	LL
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	08/16/2018 04:31	LL
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	08/16/2018 04:31	LL
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	08/16/2018 04:31	LL
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	08/16/2018 04:31	LL
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	08/16/2018 04:31	LL
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	08/16/2018 04:31	LL
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	08/16/2018 04:31	LL
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	08/16/2018 04:31	LL
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.055	0.11	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	08/16/2018 04:31	LL
78-93-3	2-Butanone	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	08/16/2018 04:31	LL
591-78-6	2-Hexanone	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	08/16/2018 04:31	LL



Sample Information

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

York Sample ID: 18H0563-01

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 3:40 pm

Date Received
08/13/2018

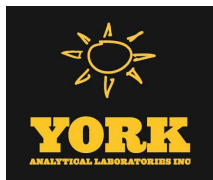
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	08/16/2018 04:31	LL
67-64-1	Acetone	0.0083	J	mg/kg dry	0.0055	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	08/16/2018 04:31	LL
107-02-8	Acrolein	ND		mg/kg dry	0.0055	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	08/16/2018 04:31	LL
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	08/16/2018 04:31	LL
71-43-2	Benzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	08/16/2018 04:31	LL
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	08/16/2018 04:31	LL
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	08/16/2018 04:31	LL
75-25-2	Bromoform	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	08/16/2018 04:31	LL
74-83-9	Bromomethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	08/16/2018 04:31	LL
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	08/16/2018 04:31	LL
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	08/16/2018 04:31	LL
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	08/16/2018 04:31	LL
75-00-3	Chloroethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	08/16/2018 04:31	LL
67-66-3	Chloroform	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	08/16/2018 04:31	LL
74-87-3	Chloromethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	08/16/2018 04:31	LL
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	08/16/2018 04:31	LL
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	08/16/2018 04:31	LL
110-82-7	Cyclohexane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	08/16/2018 04:31	LL
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	08/16/2018 04:31	LL
74-95-3	Dibromomethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	08/16/2018 04:31	LL
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	08/16/2018 04:31	LL
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	08/16/2018 04:31	LL
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	08/16/2018 04:31	LL



Sample Information

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

York Sample ID: 18H0563-01

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 3:40 pm

Date Received
08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications:	08/16/2018 04:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	LL
79-20-9	Methyl acetate	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications:	08/16/2018 04:31 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	LL
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications:	08/16/2018 04:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	LL
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications:	08/16/2018 04:31 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	LL
75-09-2	Methylene chloride	ND		mg/kg dry	0.0055	0.011	1	EPA 8260C Certifications:	08/16/2018 04:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	LL
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications:	08/16/2018 04:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	LL
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications:	08/16/2018 04:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	LL
95-47-6	o-Xylene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications:	08/16/2018 04:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	LL
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0055	0.011	1	EPA 8260C Certifications:	08/16/2018 04:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	LL
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications:	08/16/2018 04:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	LL
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications:	08/16/2018 04:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	LL
100-42-5	Styrene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications:	08/16/2018 04:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	LL
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications:	08/16/2018 04:31 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	LL
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications:	08/16/2018 04:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	LL
127-18-4	Tetrachloroethylene	0.0077		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications:	08/16/2018 04:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	LL
108-88-3	Toluene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications:	08/16/2018 04:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	LL
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications:	08/16/2018 04:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	LL
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications:	08/16/2018 04:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	LL
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications:	08/16/2018 04:31 CTDOH	08/16/2018 04:31	LL
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications:	08/16/2018 04:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	LL
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications:	08/16/2018 04:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	LL
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications:	08/16/2018 04:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 04:31	LL
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0083	0.017	1	EPA 8260C Certifications:	08/16/2018 04:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/16/2018 04:31	LL
Surrogate Recoveries		Result	Acceptance Range								



Sample Information

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

York Sample ID: 18H0563-01

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 3:40 pm

Date Received
08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	91.6 %			77-125						
2037-26-5	Surrogate: Toluene-d8	115 %			85-120						
460-00-4	Surrogate: p-Bromofluorobenzene	117 %			76-130						

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR



Sample Information

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York Sample ID: 18H0563-01

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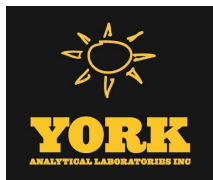
Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
83-32-9	Acenaphthene	0.0590	J	mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
208-96-8	Acenaphthylene	0.112		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
62-53-3	Aniline	ND		mg/kg dry	0.185	0.370	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
120-12-7	Anthracene	0.171		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
92-87-5	Benzidine	ND		mg/kg dry	0.185	0.370	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
56-55-3	Benzo(a)anthracene	0.692		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
50-32-8	Benzo(a)pyrene	0.824		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR



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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
205-99-2	Benzo(b)fluoranthene	0.659		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
191-24-2	Benzo(g,h,i)perylene	0.433		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
207-08-9	Benzo(k)fluoranthene	0.703		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
117-81-7	Bis(2-ethylhexyl)phthalate	0.0664	J	mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
86-74-8	Carbazole	0.0561	J	mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
218-01-9	Chrysene	0.739		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
53-70-3	Dibenzo(a,h)anthracene	0.161		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
206-44-0	Fluoranthene	1.36		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
86-73-7	Fluorene	0.0480	J	mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR



Sample Information

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August 10, 2018 3:40 pm

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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
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
193-39-5	Indeno(1,2,3-cd)pyrene	0.370		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
85-01-8	Phenanthrene	0.624		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
108-95-2	Phenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR
129-00-0	Pyrene	1.16		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:22	SR

Surrogate Recoveries		Result	Acceptance Range
367-12-4	Surrogate: 2-Fluorophenol	53.6 %	20-108
4165-62-2	Surrogate: Phenol-d5	56.4 %	23-114
4165-60-0	Surrogate: Nitrobenzene-d5	67.0 %	22-108
321-60-8	Surrogate: 2-Fluorobiphenyl	55.6 %	21-113
118-79-6	Surrogate: 2,4,6-Tribromophenol	57.0 %	19-110
1718-51-0	Surrogate: Terphenyl-d14	63.8 %	24-116

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:07	LAB
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:07	LAB
50-29-3	4,4'-DDT	0.00819		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:07	LAB



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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

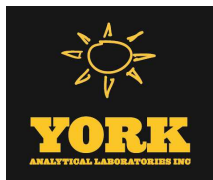
Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:07	LAB
319-84-6	alpha-BHC	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:07	LAB
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/15/2018 14:35	08/16/2018 21:07	LAB
319-85-7	beta-BHC	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:07	LAB
57-74-9	Chlordane, total	ND		mg/kg dry	0.0365	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:07	LAB
319-86-8	delta-BHC	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:07	LAB
60-57-1	Dieldrin	0.00239		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:07	LAB
959-98-8	Endosulfan I	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:07	LAB
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	08/15/2018 14:35	08/16/2018 21:07	LAB
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:07	LAB
72-20-8	Endrin	0.00514		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:07	LAB
7421-93-4	Endrin aldehyde	0.00230		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:07	LAB
53494-70-5	Endrin ketone	0.00660		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:07	LAB
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:07	LAB
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/15/2018 14:35	08/16/2018 21:07	LAB
76-44-8	Heptachlor	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:07	LAB
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:07	LAB
72-43-5	Methoxychlor	ND		mg/kg dry	0.00913	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:07	LAB
8001-35-2	Toxaphene	ND		mg/kg dry	0.0924	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:07	LAB
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	64.1 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	70.5 %	30-150							

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:



Sample Information

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

York Sample ID: 18H0563-01

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 3:40 pm

Date Received
08/13/2018

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 13:32	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 13:32	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 13:32	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 13:32	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 13:32	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 13:32	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 13:32	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications:	08/15/2018 14:35	08/16/2018 13:32	LAB
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	61.9 %	30-140							
2051-24-3	Surrogate: Decachlorobiphenyl	66.2 %	30-140							

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	7690		mg/kg dry	5.54	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:51	KML
7440-36-0	Antimony	3.37	B	mg/kg dry	0.554	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:51	KML
7440-38-2	Arsenic	7.14		mg/kg dry	1.11	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:51	KML
7440-39-3	Barium	253		mg/kg dry	1.11	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:51	KML
7440-41-7	Beryllium	0.138		mg/kg dry	0.111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:51	KML
7440-43-9	Cadmium	0.713		mg/kg dry	0.332	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:51	KML
7440-70-2	Calcium	15400		mg/kg dry	5.54	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:51	KML
7440-47-3	Chromium	19.4		mg/kg dry	0.554	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:51	KML
7440-48-4	Cobalt	7.95		mg/kg dry	0.554	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:51	KML
7440-50-8	Copper	106		mg/kg dry	0.554	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:51	KML



Sample Information

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

York Sample ID: 18H0563-01

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 3:40 pm

Date Received
08/13/2018

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	17900		mg/kg dry	2.21	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:51	KML
7439-92-1	Lead	398		mg/kg dry	0.554	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:51	KML
7439-95-4	Magnesium	4150		mg/kg dry	5.54	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:51	KML
7439-96-5	Manganese	348		mg/kg dry	0.554	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:51	KML
7440-02-0	Nickel	22.1		mg/kg dry	0.554	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:51	KML
7440-09-7	Potassium	1720	B	mg/kg dry	5.54	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:51	KML
7782-49-2	Selenium	ND		mg/kg dry	1.11	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:51	KML
7440-22-4	Silver	ND		mg/kg dry	0.554	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:51	KML
7440-23-5	Sodium	339	B	mg/kg dry	11.1	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2018 09:03	08/17/2018 12:51	KML
7440-28-0	Thallium	ND		mg/kg dry	1.11	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:51	KML
7440-62-2	Vanadium	22.9		mg/kg dry	1.11	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:51	KML
7440-66-6	Zinc	375		mg/kg dry	1.66	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:51	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	0.395		mg/kg dry	0.0332	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	08/20/2018 09:08	08/20/2018 12:11	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	90.3		%	0.100	1	SM 2540G Certifications: CTDOH	08/17/2018 10:26	08/17/2018 16:13	TAJ



Sample Information

Client Sample ID: SB-1 (21'-23')

York Sample ID: 18H0563-02

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 4:00 pm

Date Received
08/13/2018

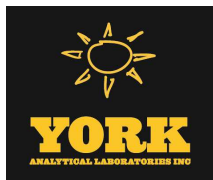
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
79-34-5	1,1,2,2-Tetrachloroethane	ND	IS-LO	mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/16/2018 05:01	08/16/2018 05:01	LL
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
87-61-6	1,2,3-Trichlorobenzene	ND	IS-LO	mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
96-18-4	1,2,3-Trichloropropane	ND	IS-LO	mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/16/2018 05:01	08/16/2018 05:01	LL
120-82-1	1,2,4-Trichlorobenzene	ND	IS-LO	mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
95-63-6	1,2,4-Trimethylbenzene	ND	IS-LO	mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
96-12-8	1,2-Dibromo-3-chloropropane	ND	IS-LO	mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
95-50-1	1,2-Dichlorobenzene	ND	IS-LO	mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
108-67-8	1,3,5-Trimethylbenzene	ND	IS-LO	mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
541-73-1	1,3-Dichlorobenzene	ND	IS-LO	mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
106-46-7	1,4-Dichlorobenzene	ND	IS-LO	mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.054	0.11	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
78-93-3	2-Butanone	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
591-78-6	2-Hexanone	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL



Sample Information

Client Sample ID: SB-1 (21'-23')

York Sample ID: 18H0563-02

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 4:00 pm

Date Received
08/13/2018

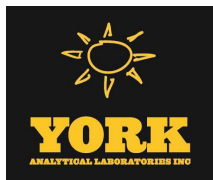
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	0.023		mg/kg dry	0.0054	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
107-02-8	Acrolein	ND		mg/kg dry	0.0054	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
71-43-2	Benzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
75-25-2	Bromoform	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
74-83-9	Bromomethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
75-00-3	Chloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
67-66-3	Chloroform	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
74-87-3	Chloromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
110-82-7	Cyclohexane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
74-95-3	Dibromomethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
87-68-3	Hexachlorobutadiene	ND	IS-LO	mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
98-82-8	Isopropylbenzene	ND	IS-LO	mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL



Sample Information

Client Sample ID: SB-1 (21'-23')

York Sample ID: 18H0563-02

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 4:00 pm

Date Received
08/13/2018

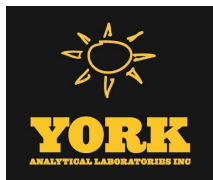
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-20-9	Methyl acetate	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
75-09-2	Methylene chloride	ND		mg/kg dry	0.0054	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
104-51-8	n-Butylbenzene	ND	IS-LO	mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
103-65-1	n-Propylbenzene	ND	IS-LO	mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
95-47-6	o-Xylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0054	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
99-87-6	p-Isopropyltoluene	ND	IS-LO	mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
135-98-8	sec-Butylbenzene	ND	IS-LO	mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
100-42-5	Styrene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
98-06-6	tert-Butylbenzene	ND	IS-LO	mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
108-88-3	Toluene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
110-57-6	* trans-1,4-dichloro-2-butene	ND	IS-LO	mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH	08/16/2018 05:01	08/16/2018 05:01	LL
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:01	08/16/2018 05:01	LL
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0081	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/16/2018 05:01	08/16/2018 05:01	LL
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	89.3 %	77-125								
2037-26-5	Surrogate: Toluene-d8	116 %	85-120								



Sample Information

Client Sample ID: SB-1 (21'-23')

York Sample ID: 18H0563-02

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 4:00 pm

Date Received
08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
460-00-4	Surrogate: <i>p</i> -Bromofluorobenzene	138 %	S-08		76-130						

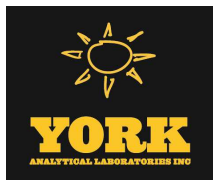
Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0899	0.180	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0899	0.180	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0899	0.180	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0899	0.180	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR



Sample Information

Client Sample ID: SB-1 (21'-23')

York Sample ID: 18H0563-02

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
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Collection Date/Time
August 10, 2018 4:00 pm

Date Received
08/13/2018

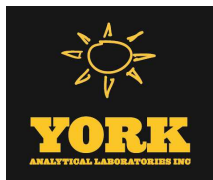
Semi-Volatiles, 8270 - Comprehensive

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
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0899	0.180	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0899	0.180	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0899	0.180	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0899	0.180	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
83-32-9	Acenaphthene	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
62-53-3	Aniline	ND		mg/kg dry	0.180	0.360	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
120-12-7	Anthracene	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
92-87-5	Benzidine	ND		mg/kg dry	0.180	0.360	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
56-55-3	Benzo(a)anthracene	0.131		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
50-32-8	Benzo(a)pyrene	0.173		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
205-99-2	Benzo(b)fluoranthene	0.137		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
191-24-2	Benzo(g,h,i)perylene	0.152		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR



Sample Information

Client Sample ID: SB-1 (21'-23')

York Sample ID: 18H0563-02

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 4:00 pm

Date Received
08/13/2018

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
207-08-9	Benzo(k)fluoranthene	0.129		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0899	0.180	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
86-74-8	Carbazole	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
218-01-9	Chrysene	0.147		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
206-44-0	Fluoranthene	0.234		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
86-73-7	Fluorene	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR



Sample Information

Client Sample ID: SB-1 (21'-23')

York Sample ID: 18H0563-02

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 4:00 pm

Date Received
08/13/2018

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
193-39-5	Indeno(1,2,3-cd)pyrene	0.0920		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
85-01-8	Phenanthrene	0.119		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
108-95-2	Phenol	ND		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
129-00-0	Pyrene	0.220		mg/kg dry	0.0451	0.0899	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 17:53	SR
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	69.1 %	20-108								
4165-62-2	Surrogate: Phenol-d5	72.2 %	23-114								
4165-60-0	Surrogate: Nitrobenzene-d5	86.4 %	22-108								
321-60-8	Surrogate: 2-Fluorobiphenyl	65.6 %	21-113								
118-79-6	Surrogate: 2,4,6-Tribromophenol	71.3 %	19-110								
1718-51-0	Surrogate: Terphenyl-d14	81.2 %	24-116								

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:22	LAB
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:22	LAB
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:22	LAB
309-00-2	Aldrin	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:22	LAB
319-84-6	alpha-BHC	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:22	LAB



Sample Information

Client Sample ID: SB-1 (21'-23')

York Sample ID: 18H0563-02

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 4:00 pm

Date Received
08/13/2018

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/15/2018 14:35	08/16/2018 21:22	LAB
319-85-7	beta-BHC	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:22	LAB
57-74-9	Chlordane, total	ND		mg/kg dry	0.0356	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:22	LAB
319-86-8	delta-BHC	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:22	LAB
60-57-1	Dieldrin	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:22	LAB
959-98-8	Endosulfan I	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:22	LAB
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	08/15/2018 14:35	08/16/2018 21:22	LAB
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:22	LAB
72-20-8	Endrin	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:22	LAB
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:22	LAB
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:22	LAB
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:22	LAB
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/15/2018 14:35	08/16/2018 21:22	LAB
76-44-8	Heptachlor	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:22	LAB
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:22	LAB
72-43-5	Methoxychlor	ND		mg/kg dry	0.00890	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:22	LAB
8001-35-2	Toxaphene	ND		mg/kg dry	0.0901	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:22	LAB
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	36.1 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	57.3 %	30-150							

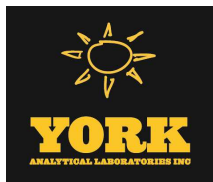
Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 13:56	LAB



Sample Information

Client Sample ID: SB-1 (21'-23')

York Sample ID: 18H0563-02

York Project (SDG) No.

18H0563

Client Project ID

580 Gerard Ave

Matrix

Soil

Collection Date/Time

August 10, 2018 4:00 pm

Date Received

08/13/2018

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 13:56	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 13:56	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 13:56	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 13:56	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 13:56	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 13:56	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications:	08/15/2018 14:35	08/16/2018 13:56	LAB
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	49.0 %								
2051-24-3	Surrogate: Decachlorobiphenyl	48.3 %								

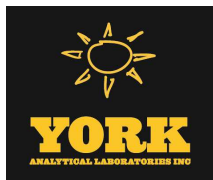
Metals, Target Analyte

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	11700		mg/kg dry	5.41	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:53	KML
7440-36-0	Antimony	2.18	B	mg/kg dry	0.541	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:53	KML
7440-38-2	Arsenic	4.20		mg/kg dry	1.08	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:53	KML
7440-39-3	Barium	162		mg/kg dry	1.08	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:53	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.108	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:53	KML
7440-43-9	Cadmium	ND		mg/kg dry	0.324	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:53	KML
7440-70-2	Calcium	15300		mg/kg dry	5.41	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:53	KML
7440-47-3	Chromium	23.0		mg/kg dry	0.541	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:53	KML
7440-48-4	Cobalt	14.2		mg/kg dry	0.541	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:53	KML
7440-50-8	Copper	46.1		mg/kg dry	0.541	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:53	KML
7439-89-6	Iron	24300		mg/kg dry	2.16	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:53	KML



Sample Information

Client Sample ID: SB-1 (21'-23')

York Sample ID: 18H0563-02

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 4:00 pm

Date Received
08/13/2018

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	150		mg/kg dry	0.541	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:53	KML
7439-95-4	Magnesium	7310		mg/kg dry	5.41	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:53	KML
7439-96-5	Manganese	359		mg/kg dry	0.541	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:53	KML
7440-02-0	Nickel	24.0		mg/kg dry	0.541	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:53	KML
7440-09-7	Potassium	3890	B	mg/kg dry	5.41	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:53	KML
7782-49-2	Selenium	ND		mg/kg dry	1.08	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:53	KML
7440-22-4	Silver	ND		mg/kg dry	0.541	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:53	KML
7440-23-5	Sodium	200	B	mg/kg dry	10.8	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2018 09:03	08/17/2018 12:53	KML
7440-28-0	Thallium	ND		mg/kg dry	1.08	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:53	KML
7440-62-2	Vanadium	31.3		mg/kg dry	1.08	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:53	KML
7440-66-6	Zinc	129		mg/kg dry	1.62	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:53	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	0.457		mg/kg dry	0.0324	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	08/20/2018 09:08	08/20/2018 12:17	SY

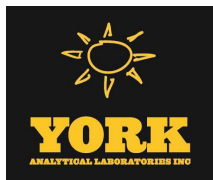
Total Solids

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	92.5		%	0.100	1	SM 2540G Certifications: CTDOH	08/17/2018 10:26	08/17/2018 16:13	TAJ



Sample Information

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

York Sample ID: 18H0563-03

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 10:21 am

Date Received
08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
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	08/16/2018 05:30	08/16/2018 05:30	LL
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	08/16/2018 05:30	08/16/2018 05:30	LL
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	08/16/2018 05:30	08/16/2018 05:30	LL
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	08/16/2018 05:30	08/16/2018 05:30	LL
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
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	08/16/2018 05:30	08/16/2018 05:30	LL
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/16/2018 05:30	08/16/2018 05:30	LL
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	08/16/2018 05:30	08/16/2018 05:30	LL
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.052	0.10	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
78-93-3	2-Butanone	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
591-78-6	2-Hexanone	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL



Sample Information

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

York Sample ID: 18H0563-03

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 10:21 am

Date Received
08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	0.035		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
107-02-8	Acrolein	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
71-43-2	Benzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
75-25-2	Bromoform	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
74-83-9	Bromomethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
75-00-3	Chloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
67-66-3	Chloroform	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
74-87-3	Chloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
110-82-7	Cyclohexane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
74-95-3	Dibromomethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL



Sample Information

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

York Sample ID: 18H0563-03

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 10:21 am

Date Received
08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-20-9	Methyl acetate	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
75-09-2	Methylene chloride	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
95-47-6	o-Xylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
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	08/16/2018 05:30	08/16/2018 05:30	LL
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
100-42-5	Styrene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
127-18-4	Tetrachloroethylene	0.0065		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
108-88-3	Toluene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH	08/16/2018 05:30	08/16/2018 05:30	LL
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 05:30	08/16/2018 05:30	LL
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0078	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/16/2018 05:30	08/16/2018 05:30	LL
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	93.0 %	77-125								



Sample Information

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

York Sample ID: 18H0563-03

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 10:21 am

Date Received
08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2037-26-5	Surrogate: Toluene-d8	106 %			85-120						
460-00-4	Surrogate: p-Bromofluorobenzene	115 %			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	0.0433	0.0864	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0864	0.173	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0864	0.173	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0864	0.173	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR



Sample Information

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

York Sample ID: 18H0563-03

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 10:21 am

Date Received
08/13/2018

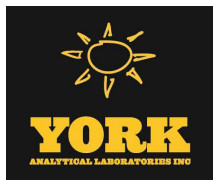
Semi-Volatiles, 8270 - Comprehensive

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	0.0864	0.173	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0864	0.173	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0864	0.173	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0864	0.173	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0864	0.173	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
83-32-9	Acenaphthene	0.215		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
208-96-8	Acenaphthylene	0.0739	J	mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
62-53-3	Aniline	ND		mg/kg dry	0.173	0.346	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
120-12-7	Anthracene	0.366		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
92-87-5	Benzidine	ND		mg/kg dry	0.173	0.346	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
56-55-3	Benzo(a)anthracene	1.22		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
50-32-8	Benzo(a)pyrene	1.27		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
205-99-2	Benzo(b)fluoranthene	1.03		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR



Sample Information

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York Sample ID: 18H0563-03

York Project (SDG) No.
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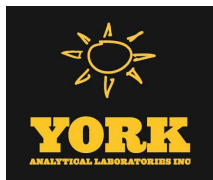
Semi-Volatiles, 8270 - Comprehensive

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
191-24-2	Benzo(g,h,i)perylene	0.600		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
207-08-9	Benzo(k)fluoranthene	1.09		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
117-81-7	Bis(2-ethylhexyl)phthalate	0.0497	J	mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0864	0.173	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
86-74-8	Carbazole	0.155		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
218-01-9	Chrysene	1.27		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
53-70-3	Dibenzo(a,h)anthracene	0.222		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
132-64-9	Dibenzofuran	0.0794	J	mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
206-44-0	Fluoranthene	2.37		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
86-73-7	Fluorene	0.116		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR



Sample Information

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Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
193-39-5	Indeno(1,2,3-cd)pyrene	0.589		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
91-20-3	Naphthalene	0.0829	J	mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
85-01-8	Phenanthrene	1.52		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
108-95-2	Phenol	ND		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
129-00-0	Pyrene	2.00		mg/kg dry	0.0433	0.0864	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:23	SR
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	77.5 %	20-108								
4165-62-2	Surrogate: Phenol-d5	72.0 %	23-114								
4165-60-0	Surrogate: Nitrobenzene-d5	89.3 %	22-108								
321-60-8	Surrogate: 2-Fluorobiphenyl	70.5 %	21-113								
118-79-6	Surrogate: 2,4,6-Tribromophenol	78.8 %	19-110								
1718-51-0	Surrogate: Terphenyl-d14	82.1 %	24-116								

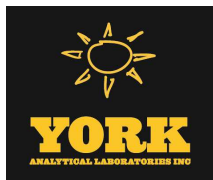
Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00170	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:52	LAB
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00170	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:52	LAB
50-29-3	4,4'-DDT	0.00684		mg/kg dry	0.00170	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:52	LAB
309-00-2	Aldrin	ND		mg/kg dry	0.00170	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:52	LAB



Sample Information

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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
319-84-6	alpha-BHC	ND		mg/kg dry	0.00170	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:52	LAB
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00170	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/15/2018 14:35	08/16/2018 21:52	LAB
319-85-7	beta-BHC	ND		mg/kg dry	0.00170	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:52	LAB
57-74-9	Chlordane, total	ND		mg/kg dry	0.0340	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:52	LAB
319-86-8	delta-BHC	ND		mg/kg dry	0.00170	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:52	LAB
60-57-1	Dieldrin	0.00261		mg/kg dry	0.00170	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:52	LAB
959-98-8	Endosulfan I	ND		mg/kg dry	0.00170	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:52	LAB
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00170	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	08/15/2018 14:35	08/16/2018 21:52	LAB
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00170	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:52	LAB
72-20-8	Endrin	0.00348		mg/kg dry	0.00170	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:52	LAB
7421-93-4	Endrin aldehyde	0.00217		mg/kg dry	0.00170	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:52	LAB
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00170	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:52	LAB
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00170	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:52	LAB
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00170	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/15/2018 14:35	08/16/2018 21:52	LAB
76-44-8	Heptachlor	ND		mg/kg dry	0.00170	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:52	LAB
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00170	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:52	LAB
72-43-5	Methoxychlor	ND		mg/kg dry	0.00849	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:52	LAB
8001-35-2	Toxaphene	ND		mg/kg dry	0.0860	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 21:52	LAB
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	48.3 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	55.8 %	30-150							

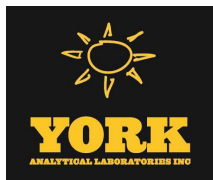
Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

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



Sample Information

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

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18H0563

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Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0172	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 14:20	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0172	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 14:20	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0172	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 14:20	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0172	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 14:20	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0172	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 14:20	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0172	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 14:20	LAB
11096-82-5	Aroclor 1260	0.0342		mg/kg dry	0.0172	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 14:20	LAB
1336-36-3	* Total PCBs	0.0342		mg/kg dry	0.0172	1	EPA 8082A Certifications:	08/15/2018 14:35	08/16/2018 14:20	LAB
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	51.5 %	30-140							
2051-24-3	Surrogate: Decachlorobiphenyl	47.3 %	30-140							

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	9310		mg/kg dry	5.18	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:55	KML
7440-36-0	Antimony	1.55	B	mg/kg dry	0.518	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:55	KML
7440-38-2	Arsenic	4.57		mg/kg dry	1.04	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:55	KML
7440-39-3	Barium	875		mg/kg dry	1.04	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:55	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.104	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:55	KML
7440-43-9	Cadmium	0.399		mg/kg dry	0.311	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:55	KML
7440-70-2	Calcium	8150		mg/kg dry	5.18	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:55	KML
7440-47-3	Chromium	17.7		mg/kg dry	0.518	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:55	KML
7440-48-4	Cobalt	7.61		mg/kg dry	0.518	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:55	KML



Sample Information

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

York Sample ID: 18H0563-03

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 10:21 am

Date Received
08/13/2018

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-50-8	Copper	29.8		mg/kg dry	0.518	1	EPA 6010C	08/15/2018 09:03	08/17/2018 12:55	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	Iron	14700		mg/kg dry	2.07	1	EPA 6010C	08/15/2018 09:03	08/17/2018 12:55	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	Lead	109		mg/kg dry	0.518	1	EPA 6010C	08/15/2018 09:03	08/17/2018 12:55	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	Magnesium	3900		mg/kg dry	5.18	1	EPA 6010C	08/15/2018 09:03	08/17/2018 12:55	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	Manganese	294		mg/kg dry	0.518	1	EPA 6010C	08/15/2018 09:03	08/17/2018 12:55	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	Nickel	15.5		mg/kg dry	0.518	1	EPA 6010C	08/15/2018 09:03	08/17/2018 12:55	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	Potassium	1860	B	mg/kg dry	5.18	1	EPA 6010C	08/15/2018 09:03	08/17/2018 12:55	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	1.04	1	EPA 6010C	08/15/2018 09:03	08/17/2018 12:55	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.518	1	EPA 6010C	08/15/2018 09:03	08/17/2018 12:55	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	Sodium	169	B	mg/kg dry	10.4	1	EPA 6010C	08/15/2018 09:03	08/17/2018 12:55	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-28-0	Thallium	ND		mg/kg dry	1.04	1	EPA 6010C	08/15/2018 09:03	08/17/2018 12:55	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	Vanadium	21.6		mg/kg dry	1.04	1	EPA 6010C	08/15/2018 09:03	08/17/2018 12:55	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	Zinc	259		mg/kg dry	1.55	1	EPA 6010C	08/15/2018 09:03	08/17/2018 12:55	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.171		mg/kg dry	0.0311	1	EPA 7473	08/20/2018 09:08	08/20/2018 12:26	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	96.6		%	0.100	1	SM 2540G	08/17/2018 10:26	08/17/2018 16:13	TAJ
							Certifications:	CTDOH		



Sample Information

Client Sample ID: SB-2 (21'-23')

York Sample ID: 18H0563-04

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 10:55 am

Date Received
08/13/2018

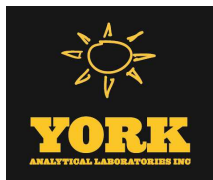
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/16/2018 06:00	08/16/2018 06:00	LL
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/16/2018 06:00	08/16/2018 06:00	LL
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.051	0.10	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
78-93-3	2-Butanone	0.0040	J	mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
591-78-6	2-Hexanone	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL



Sample Information

Client Sample ID: SB-2 (21'-23')

York Sample ID: 18H0563-04

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 10:55 am

Date Received
08/13/2018

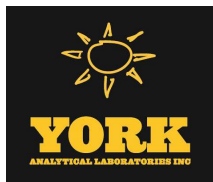
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	0.031		mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
107-02-8	Acrolein	ND		mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
71-43-2	Benzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
75-25-2	Bromoform	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
74-83-9	Bromomethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
75-00-3	Chloroethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
67-66-3	Chloroform	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
74-87-3	Chloromethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
110-82-7	Cyclohexane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
74-95-3	Dibromomethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL



Sample Information

Client Sample ID: SB-2 (21'-23')

York Sample ID: 18H0563-04

York Project (SDG) No.

18H0563

Client Project ID

580 Gerard Ave

Matrix

Soil

Collection Date/Time

August 10, 2018 10:55 am

Date Received

08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-20-9	Methyl acetate	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
75-09-2	Methylene chloride	ND		mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
95-47-6	o-Xylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
100-42-5	Styrene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
127-18-4	Tetrachloroethylene	0.0074		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
108-88-3	Toluene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH	08/16/2018 06:00	08/16/2018 06:00	LL
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:00	08/16/2018 06:00	LL
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0077	0.015	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/16/2018 06:00	08/16/2018 06:00	LL
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	93.5 %	77-125								



Sample Information

Client Sample ID: SB-2 (21'-23')

York Sample ID: 18H0563-04

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 10:55 am

Date Received
08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2037-26-5	Surrogate: Toluene-d8	103 %			85-120						
460-00-4	Surrogate: p-Bromofluorobenzene	108 %			76-130						

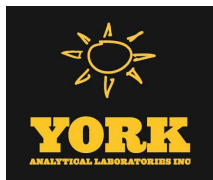
Semi-Volatiles, 8270 - Comprehensive

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	0.0427	0.0852	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0852	0.170	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0852	0.170	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0852	0.170	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR



Sample Information

Client Sample ID: SB-2 (21'-23')

York Sample ID: 18H0563-04

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
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Collection Date/Time
August 10, 2018 10:55 am

Date Received
08/13/2018

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	0.0852	0.170	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 18:54	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 18:54	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 18:54	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications:	08/16/2018 07:38 NELAC-NY10854,NJDEP,PADEP	08/17/2018 18:54	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0852	0.170	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 18:54	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0852	0.170	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 18:54	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 18:54	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 18:54	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 18:54	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 18:54	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0852	0.170	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 18:54	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0852	0.170	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 18:54	SR
83-32-9	Acenaphthene	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 18:54	SR
208-96-8	Acenaphthylene	0.114		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 18:54	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications:	08/16/2018 07:38 NELAC-NY10854,NJDEP,PADEP	08/17/2018 18:54	SR
62-53-3	Aniline	ND		mg/kg dry	0.171	0.341	2	EPA 8270D Certifications:	08/16/2018 07:38 NELAC-NY10854,NJDEP,PADEP	08/17/2018 18:54	SR
120-12-7	Anthracene	0.116		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 18:54	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications:	08/16/2018 07:38 NELAC-NY10854,NJDEP,PADEP	08/17/2018 18:54	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications:	08/16/2018 07:38 NELAC-NY10854,NJDEP,PADEP	08/17/2018 18:54	SR
92-87-5	Benzidine	ND		mg/kg dry	0.171	0.341	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 18:54	SR
56-55-3	Benzo(a)anthracene	0.472		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 18:54	SR
50-32-8	Benzo(a)pyrene	0.527		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 18:54	SR
205-99-2	Benzo(b)fluoranthene	0.433		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 18:54	SR



Sample Information

Client Sample ID: SB-2 (21'-23')

York Sample ID: 18H0563-04

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 10:55 am

Date Received
08/13/2018

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	0.269		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
207-08-9	Benzo(k)fluoranthene	0.467		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
117-81-7	Bis(2-ethylhexyl)phthalate	0.290		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0852	0.170	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
86-74-8	Carbazole	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
218-01-9	Chrysene	0.467		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
53-70-3	Dibenzo(a,h)anthracene	0.0988		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
206-44-0	Fluoranthene	0.929		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
86-73-7	Fluorene	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR



Sample Information

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Collection Date/Time
August 10, 2018 10:55 am

Date Received
08/13/2018

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	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
193-39-5	Indeno(1,2,3-cd)pyrene	0.258		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
85-01-8	Phenanthrene	0.515		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
108-95-2	Phenol	ND		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
129-00-0	Pyrene	0.840		mg/kg dry	0.0427	0.0852	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 18:54	SR
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	56.7 %	20-108								
4165-62-2	Surrogate: Phenol-d5	57.3 %	23-114								
4165-60-0	Surrogate: Nitrobenzene-d5	62.5 %	22-108								
321-60-8	Surrogate: 2-Fluorobiphenyl	54.9 %	21-113								
118-79-6	Surrogate: 2,4,6-Tribromophenol	57.8 %	19-110								
1718-51-0	Surrogate: Terphenyl-d14	67.2 %	24-116								

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00168	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:07	LAB
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00168	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:07	LAB
50-29-3	4,4'-DDT	0.0107		mg/kg dry	0.00168	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:07	LAB
309-00-2	Aldrin	ND		mg/kg dry	0.00168	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:07	LAB



Sample Information

Client Sample ID: SB-2 (21'-23')

York Sample ID: 18H0563-04

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 10:55 am

Date Received
08/13/2018

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
319-84-6	alpha-BHC	ND		mg/kg dry	0.00168	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:07	LAB
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00168	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/15/2018 14:35	08/16/2018 22:07	LAB
319-85-7	beta-BHC	ND		mg/kg dry	0.00168	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:07	LAB
57-74-9	Chlordane, total	ND		mg/kg dry	0.0337	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:07	LAB
319-86-8	delta-BHC	ND		mg/kg dry	0.00168	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:07	LAB
60-57-1	Dieldrin	0.00411		mg/kg dry	0.00168	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:07	LAB
959-98-8	Endosulfan I	ND		mg/kg dry	0.00168	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:07	LAB
33213-65-9	Endosulfan II	0.00364		mg/kg dry	0.00168	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	08/15/2018 14:35	08/16/2018 22:07	LAB
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00168	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:07	LAB
72-20-8	Endrin	0.00923		mg/kg dry	0.00168	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:07	LAB
7421-93-4	Endrin aldehyde	0.00355		mg/kg dry	0.00168	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:07	LAB
53494-70-5	Endrin ketone	0.0128		mg/kg dry	0.00168	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:07	LAB
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00168	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:07	LAB
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00168	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/15/2018 14:35	08/16/2018 22:07	LAB
76-44-8	Heptachlor	ND		mg/kg dry	0.00168	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:07	LAB
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00168	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:07	LAB
72-43-5	Methoxychlor	ND		mg/kg dry	0.00842	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:07	LAB
8001-35-2	Toxaphene	ND		mg/kg dry	0.0852	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:07	LAB
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	71.3 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	71.8 %	30-150							

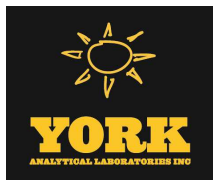
Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

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



Sample Information

Client Sample ID: SB-2 (21'-23')

York Sample ID: 18H0563-04

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 10:55 am

Date Received
08/13/2018

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0170	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 14:44	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0170	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 14:44	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0170	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 14:44	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0170	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 14:44	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0170	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 14:44	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0170	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 14:44	LAB
11096-82-5	Aroclor 1260	0.0499		mg/kg dry	0.0170	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 14:44	LAB
1336-36-3	* Total PCBs	0.0499		mg/kg dry	0.0170	1	EPA 8082A Certifications:	08/15/2018 14:35	08/16/2018 14:44	LAB
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	64.9 %		30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	64.2 %		30-140						

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	15300		mg/kg dry	5.11	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:57	KML
7440-36-0	Antimony	2.88	B	mg/kg dry	0.511	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:57	KML
7440-38-2	Arsenic	4.79		mg/kg dry	1.02	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:57	KML
7440-39-3	Barium	495		mg/kg dry	1.02	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:57	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.102	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:57	KML
7440-43-9	Cadmium	0.344		mg/kg dry	0.307	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:57	KML
7440-70-2	Calcium	6910		mg/kg dry	5.11	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:57	KML
7440-47-3	Chromium	43.8		mg/kg dry	0.511	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:57	KML
7440-48-4	Cobalt	14.5		mg/kg dry	0.511	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:57	KML



Sample Information

Client Sample ID: SB-2 (21'-23')

York Sample ID: 18H0563-04

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 10:55 am

Date Received
08/13/2018

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-50-8	Copper	27.2		mg/kg dry	0.511	1	EPA 6010C	08/15/2018 09:03	08/17/2018 12:57	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	Iron	29300		mg/kg dry	2.04	1	EPA 6010C	08/15/2018 09:03	08/17/2018 12:57	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	Lead	35.6		mg/kg dry	0.511	1	EPA 6010C	08/15/2018 09:03	08/17/2018 12:57	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	Magnesium	7500		mg/kg dry	5.11	1	EPA 6010C	08/15/2018 09:03	08/17/2018 12:57	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	Manganese	408		mg/kg dry	0.511	1	EPA 6010C	08/15/2018 09:03	08/17/2018 12:57	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	Nickel	23.7		mg/kg dry	0.511	1	EPA 6010C	08/15/2018 09:03	08/17/2018 12:57	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	Potassium	8780	B	mg/kg dry	5.11	1	EPA 6010C	08/15/2018 09:03	08/17/2018 12:57	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	1.02	1	EPA 6010C	08/15/2018 09:03	08/17/2018 12:57	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.511	1	EPA 6010C	08/15/2018 09:03	08/17/2018 12:57	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	Sodium	195	B	mg/kg dry	10.2	1	EPA 6010C	08/15/2018 09:03	08/17/2018 12:57	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-28-0	Thallium	ND		mg/kg dry	1.02	1	EPA 6010C	08/15/2018 09:03	08/17/2018 12:57	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	Vanadium	46.7		mg/kg dry	1.02	1	EPA 6010C	08/15/2018 09:03	08/17/2018 12:57	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	Zinc	117		mg/kg dry	1.53	1	EPA 6010C	08/15/2018 09:03	08/17/2018 12:57	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.0959		mg/kg dry	0.0307	1	EPA 7473	08/20/2018 09:08	08/20/2018 12:35	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	97.8		%	0.100	1	SM 2540G	08/17/2018 10:26	08/17/2018 16:13	TAJ
							Certifications:	CTDOH		



Sample Information

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

York Sample ID: 18H0563-05

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 2:30 pm

Date Received
08/13/2018

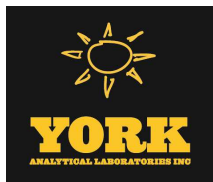
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/16/2018 06:30	08/16/2018 06:30	LL
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/16/2018 06:30	08/16/2018 06:30	LL
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
95-63-6	1,2,4-Trimethylbenzene	0.022		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
108-67-8	1,3,5-Trimethylbenzene	0.0096		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.054	0.11	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
78-93-3	2-Butanone	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
591-78-6	2-Hexanone	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL



Sample Information

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

York Sample ID: 18H0563-05

York Project (SDG) No.

18H0563

Client Project ID

580 Gerard Ave

Matrix

Soil

Collection Date/Time

August 10, 2018 2:30 pm

Date Received

08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	0.041		mg/kg dry	0.0054	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
107-02-8	Acrolein	ND		mg/kg dry	0.0054	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
71-43-2	Benzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
75-25-2	Bromoform	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
74-83-9	Bromomethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
75-00-3	Chloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
67-66-3	Chloroform	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
74-87-3	Chloromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
110-82-7	Cyclohexane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
74-95-3	Dibromomethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
100-41-4	Ethyl Benzene	0.0034	J	mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL



Sample Information

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

York Sample ID: 18H0563-05

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 2:30 pm

Date Received
08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-20-9	Methyl acetate	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
75-09-2	Methylene chloride	ND		mg/kg dry	0.0054	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
95-47-6	o-Xylene	0.0075		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
179601-23-1	p- & m- Xylenes	0.014		mg/kg dry	0.0054	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
100-42-5	Styrene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
75-65-0	tert-Butyl alcohol (TBA)	0.0072		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
108-88-3	Toluene	0.0062		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH	08/16/2018 06:30	08/16/2018 06:30	LL
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 06:30	08/16/2018 06:30	LL
1330-20-7	Xylenes, Total	0.022		mg/kg dry	0.0082	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/16/2018 06:30	08/16/2018 06:30	LL
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	87.7 %	77-125								



Sample Information

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

York Sample ID: 18H0563-05

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 2:30 pm

Date Received
08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2037-26-5	Surrogate: Toluene-d8	99.1 %			85-120						
460-00-4	Surrogate: p-Bromofluorobenzene	116 %			76-130						

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0907	0.181	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0907	0.181	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0907	0.181	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR



Sample Information

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

York Sample ID: 18H0563-05

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 2:30 pm

Date Received
08/13/2018

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	0.0907	0.181	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 19:25	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 19:25	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 19:25	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications:	08/16/2018 07:38 NELAC-NY10854,NJDEP,PADEP	08/17/2018 19:25	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0907	0.181	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 19:25	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0907	0.181	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 19:25	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 19:25	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 19:25	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 19:25	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 19:25	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0907	0.181	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 19:25	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0907	0.181	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 19:25	SR
83-32-9	Acenaphthene	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 19:25	SR
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 19:25	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications:	08/16/2018 07:38 NELAC-NY10854,NJDEP,PADEP	08/17/2018 19:25	SR
62-53-3	Aniline	ND		mg/kg dry	0.182	0.363	2	EPA 8270D Certifications:	08/16/2018 07:38 NELAC-NY10854,NJDEP,PADEP	08/17/2018 19:25	SR
120-12-7	Anthracene	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 19:25	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications:	08/16/2018 07:38 NELAC-NY10854,NJDEP,PADEP	08/17/2018 19:25	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications:	08/16/2018 07:38 NELAC-NY10854,NJDEP,PADEP	08/17/2018 19:25	SR
92-87-5	Benzidine	ND		mg/kg dry	0.182	0.363	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,PADEP	08/17/2018 19:25	SR
56-55-3	Benzo(a)anthracene	0.108		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 19:25	SR
50-32-8	Benzo(a)pyrene	0.159		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 19:25	SR
205-99-2	Benzo(b)fluoranthene	0.160		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 19:25	SR



Sample Information

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

York Sample ID: 18H0563-05

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 2:30 pm

Date Received
08/13/2018

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	0.147		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
207-08-9	Benzo(k)fluoranthene	0.125		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
85-68-7	Benzyl butyl phthalate	0.0522	J	mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0907	0.181	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
86-74-8	Carbazole	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
218-01-9	Chrysene	0.129		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
206-44-0	Fluoranthene	0.116		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
86-73-7	Fluorene	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR



Sample Information

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

York Sample ID: 18H0563-05

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 2:30 pm

Date Received
08/13/2018

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	0.0454	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
193-39-5	Indeno(1,2,3-cd)pyrene	0.125		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
85-01-8	Phenanthrene	0.0486	J	mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
108-95-2	Phenol	ND		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
129-00-0	Pyrene	0.112		mg/kg dry	0.0454	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:25	SR
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: 2-Fluorophenol	55.6 %									
4165-62-2	Surrogate: Phenol-d5	54.8 %									
4165-60-0	Surrogate: Nitrobenzene-d5	63.6 %									
321-60-8	Surrogate: 2-Fluorobiphenyl	53.8 %									
118-79-6	Surrogate: 2,4,6-Tribromophenol	54.9 %									
1718-51-0	Surrogate: Terphenyl-d14	64.9 %									

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:22	LAB
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:22	LAB
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:22	LAB
309-00-2	Aldrin	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:22	LAB



Sample Information

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

York Sample ID: 18H0563-05

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 2:30 pm

Date Received
08/13/2018

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
319-84-6	alpha-BHC	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:22	LAB
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/15/2018 14:35	08/16/2018 22:22	LAB
319-85-7	beta-BHC	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:22	LAB
57-74-9	Chlordane, total	ND		mg/kg dry	0.0357	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:22	LAB
319-86-8	delta-BHC	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:22	LAB
60-57-1	Dieldrin	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:22	LAB
959-98-8	Endosulfan I	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:22	LAB
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	08/15/2018 14:35	08/16/2018 22:22	LAB
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:22	LAB
72-20-8	Endrin	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:22	LAB
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:22	LAB
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:22	LAB
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:22	LAB
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/15/2018 14:35	08/16/2018 22:22	LAB
76-44-8	Heptachlor	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:22	LAB
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:22	LAB
72-43-5	Methoxychlor	ND		mg/kg dry	0.00892	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:22	LAB
8001-35-2	Toxaphene	ND		mg/kg dry	0.0903	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:22	LAB
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	84.3 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	74.7 %	30-150							

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

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



Sample Information

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

York Sample ID: 18H0563-05

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 2:30 pm

Date Received
08/13/2018

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.180	10	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:38	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.180	10	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:38	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.180	10	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:38	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.180	10	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:38	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.180	10	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:38	LAB
11097-69-1	Aroclor 1254	7.69		mg/kg dry	0.180	10	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:38	LAB
11096-82-5	Aroclor 1260	1.41		mg/kg dry	0.180	10	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:38	LAB
1336-36-3	* Total PCBs	9.11		mg/kg dry	0.180	10	EPA 8082A Certifications:	08/15/2018 14:35	08/17/2018 14:38	LAB
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	59.4 %		30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	69.7 %		30-140						

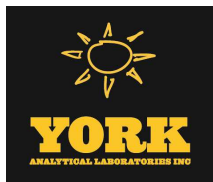
Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	16900		mg/kg dry	5.44	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:59	KML
7440-36-0	Antimony	3.59	B	mg/kg dry	0.544	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:59	KML
7440-38-2	Arsenic	5.57		mg/kg dry	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:59	KML
7440-39-3	Barium	509		mg/kg dry	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:59	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.109	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:59	KML
7440-43-9	Cadmium	0.659		mg/kg dry	0.326	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:59	KML
7440-70-2	Calcium	12600		mg/kg dry	5.44	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:59	KML
7440-47-3	Chromium	41.7		mg/kg dry	0.544	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:59	KML
7440-48-4	Cobalt	17.5		mg/kg dry	0.544	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 12:59	KML



Sample Information

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

York Sample ID: 18H0563-05

York Project (SDG) No.

18H0563

Client Project ID

580 Gerard Ave

Matrix

Soil

Collection Date/Time

August 10, 2018 2:30 pm

Date Received

08/13/2018

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-50-8	Copper	54.7		mg/kg dry	0.544	1	EPA 6010C	08/15/2018 09:03	08/17/2018 12:59	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	Iron	31600		mg/kg dry	2.17	1	EPA 6010C	08/15/2018 09:03	08/17/2018 12:59	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	Lead	285		mg/kg dry	0.544	1	EPA 6010C	08/15/2018 09:03	08/17/2018 12:59	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	Magnesium	9970		mg/kg dry	5.44	1	EPA 6010C	08/15/2018 09:03	08/17/2018 12:59	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	Manganese	362		mg/kg dry	0.544	1	EPA 6010C	08/15/2018 09:03	08/17/2018 12:59	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	Nickel	32.4		mg/kg dry	0.544	1	EPA 6010C	08/15/2018 09:03	08/17/2018 12:59	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	Potassium	8690	B	mg/kg dry	5.44	1	EPA 6010C	08/15/2018 09:03	08/17/2018 12:59	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	1.09	1	EPA 6010C	08/15/2018 09:03	08/17/2018 12:59	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.544	1	EPA 6010C	08/15/2018 09:03	08/17/2018 12:59	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	Sodium	319	B	mg/kg dry	10.9	1	EPA 6010C	08/15/2018 09:03	08/17/2018 12:59	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-28-0	Thallium	ND		mg/kg dry	1.09	1	EPA 6010C	08/15/2018 09:03	08/17/2018 12:59	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	Vanadium	47.5		mg/kg dry	1.09	1	EPA 6010C	08/15/2018 09:03	08/17/2018 12:59	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	Zinc	201		mg/kg dry	1.63	1	EPA 6010C	08/15/2018 09:03	08/17/2018 12:59	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	0.474		mg/kg dry	0.0326	1	EPA 7473	08/20/2018 09:08	08/20/2018 12:44	SY
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

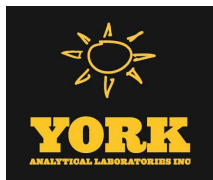
Total Solids

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	92.0		%	0.100	1	SM 2540G	08/17/2018 10:26	08/17/2018 16:13	TAJ
							Certifications:	CTDOH		



Sample Information

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

York Sample ID: 18H0563-06

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 1:15 pm

Date Received
08/13/2018

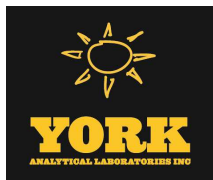
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/16/2018 09:05	08/16/2018 09:05	LL
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/16/2018 09:05	08/16/2018 09:05	LL
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.060	0.12	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
78-93-3	2-Butanone	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
591-78-6	2-Hexanone	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL



Sample Information

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

York Sample ID: 18H0563-06

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 1:15 pm

Date Received
08/13/2018

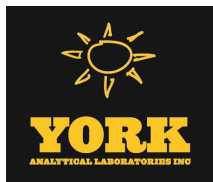
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	0.030		mg/kg dry	0.0060	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
107-02-8	Acrolein	ND		mg/kg dry	0.0060	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
71-43-2	Benzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
75-25-2	Bromoform	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
74-83-9	Bromomethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
75-00-3	Chloroethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
67-66-3	Chloroform	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
74-87-3	Chloromethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
110-82-7	Cyclohexane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
74-95-3	Dibromomethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL



Sample Information

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

York Sample ID: 18H0563-06

York Project (SDG) No.

18H0563

Client Project ID

580 Gerard Ave

Matrix

Soil

Collection Date/Time

August 10, 2018 1:15 pm

Date Received

08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-20-9	Methyl acetate	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
75-09-2	Methylene chloride	ND		mg/kg dry	0.0060	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
95-47-6	o-Xylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0060	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
100-42-5	Styrene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
75-65-0	tert-Butyl alcohol (TBA)	0.011		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
108-88-3	Toluene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH	08/16/2018 09:05	08/16/2018 09:05	LL
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:05	08/16/2018 09:05	LL
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0090	0.018	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/16/2018 09:05	08/16/2018 09:05	LL
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	101 %	77-125								



Sample Information

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

York Sample ID: 18H0563-06

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 1:15 pm

Date Received
08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2037-26-5	Surrogate: Toluene-d8	106 %			85-120						
460-00-4	Surrogate: p-Bromofluorobenzene	112 %			76-130						

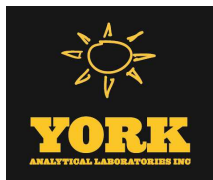
Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0997	0.199	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0997	0.199	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0997	0.199	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR



Sample Information

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

York Sample ID: 18H0563-06

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 1:15 pm

Date Received
08/13/2018

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	0.0997	0.199	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 19:55	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 19:55	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 19:55	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications:	08/16/2018 07:38 NELAC-NY10854,NJDEP,PADEP	08/17/2018 19:55	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0997	0.199	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 19:55	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0997	0.199	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 19:55	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 19:55	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 19:55	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 19:55	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 19:55	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0997	0.199	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 19:55	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0997	0.199	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 19:55	SR
83-32-9	Acenaphthene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 19:55	SR
208-96-8	Acenaphthylene	0.0725	J	mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 19:55	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications:	08/16/2018 07:38 NELAC-NY10854,NJDEP,PADEP	08/17/2018 19:55	SR
62-53-3	Aniline	ND		mg/kg dry	0.200	0.399	2	EPA 8270D Certifications:	08/16/2018 07:38 NELAC-NY10854,NJDEP,PADEP	08/17/2018 19:55	SR
120-12-7	Anthracene	0.169		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 19:55	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications:	08/16/2018 07:38 NELAC-NY10854,NJDEP,PADEP	08/17/2018 19:55	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications:	08/16/2018 07:38 NELAC-NY10854,NJDEP,PADEP	08/17/2018 19:55	SR
92-87-5	Benzidine	ND		mg/kg dry	0.200	0.399	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,PADEP	08/17/2018 19:55	SR
56-55-3	Benzo(a)anthracene	0.504		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 19:55	SR
50-32-8	Benzo(a)pyrene	0.560		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 19:55	SR
205-99-2	Benzo(b)fluoranthene	0.469		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 19:55	SR



Sample Information

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

York Sample ID: 18H0563-06

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
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Collection Date/Time
August 10, 2018 1:15 pm

Date Received
08/13/2018

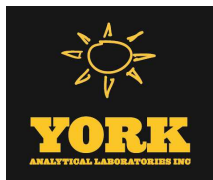
Semi-Volatiles, 8270 - Comprehensive

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	0.318		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
207-08-9	Benzo(k)fluoranthene	0.484		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0997	0.199	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
86-74-8	Carbazole	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
218-01-9	Chrysene	0.523		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
53-70-3	Dibenzo(a,h)anthracene	0.104		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
206-44-0	Fluoranthene	0.980		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
86-73-7	Fluorene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR



Sample Information

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

York Sample ID: 18H0563-06

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 1:15 pm

Date Received
08/13/2018

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	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
193-39-5	Indeno(1,2,3-cd)pyrene	0.269		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
85-01-8	Phenanthrene	0.561		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
108-95-2	Phenol	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
129-00-0	Pyrene	0.889		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 19:55	SR
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	66.4 %	20-108								
4165-62-2	Surrogate: Phenol-d5	63.6 %	23-114								
4165-60-0	Surrogate: Nitrobenzene-d5	76.2 %	22-108								
321-60-8	Surrogate: 2-Fluorobiphenyl	61.4 %	21-113								
118-79-6	Surrogate: 2,4,6-Tribromophenol	60.3 %	19-110								
1718-51-0	Surrogate: Terphenyl-d14	68.2 %	24-116								

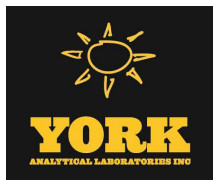
Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00198	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:36	LAB
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00198	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:36	LAB
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00198	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:36	LAB
309-00-2	Aldrin	ND		mg/kg dry	0.00198	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:36	LAB



Sample Information

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

York Sample ID: 18H0563-06

York Project (SDG) No.
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580 Gerard Ave

Matrix
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Collection Date/Time
August 10, 2018 1:15 pm

Date Received
08/13/2018

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
319-84-6	alpha-BHC	ND		mg/kg dry	0.00198	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:36	LAB
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00198	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/15/2018 14:35	08/16/2018 22:36	LAB
319-85-7	beta-BHC	ND		mg/kg dry	0.00198	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:36	LAB
57-74-9	Chlordane, total	ND		mg/kg dry	0.0396	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:36	LAB
319-86-8	delta-BHC	ND		mg/kg dry	0.00198	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:36	LAB
60-57-1	Dieldrin	ND		mg/kg dry	0.00198	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:36	LAB
959-98-8	Endosulfan I	ND		mg/kg dry	0.00198	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:36	LAB
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00198	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	08/15/2018 14:35	08/16/2018 22:36	LAB
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00198	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:36	LAB
72-20-8	Endrin	ND		mg/kg dry	0.00198	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:36	LAB
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00198	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:36	LAB
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00198	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:36	LAB
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00198	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:36	LAB
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00198	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/15/2018 14:35	08/16/2018 22:36	LAB
76-44-8	Heptachlor	ND		mg/kg dry	0.00198	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:36	LAB
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00198	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:36	LAB
72-43-5	Methoxychlor	ND		mg/kg dry	0.00989	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:36	LAB
8001-35-2	Toxaphene	ND		mg/kg dry	0.100	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:36	LAB
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	91.1 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	75.2 %	30-150							

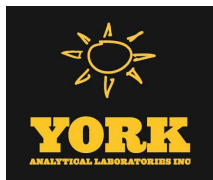
Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

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



Sample Information

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

York Sample ID: 18H0563-06

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 1:15 pm

Date Received
08/13/2018

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.200	10	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:51	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.200	10	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:51	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.200	10	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:51	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.200	10	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:51	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.200	10	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:51	LAB
11097-69-1	Aroclor 1254	1.84		mg/kg dry	0.200	10	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:51	LAB
11096-82-5	Aroclor 1260	3.13		mg/kg dry	0.200	10	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:51	LAB
1336-36-3	* Total PCBs	4.97		mg/kg dry	0.200	10	EPA 8082A Certifications:	08/15/2018 14:35	08/17/2018 14:51	LAB
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	64.4 %		30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	144 %	S-GC	30-140						

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	10400		mg/kg dry	6.00	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 13:01	KML
7440-36-0	Antimony	1.30	B	mg/kg dry	0.600	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 13:01	KML
7440-38-2	Arsenic	5.46		mg/kg dry	1.20	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 13:01	KML
7440-39-3	Barium	938		mg/kg dry	1.20	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 13:01	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.120	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 13:01	KML
7440-43-9	Cadmium	0.384		mg/kg dry	0.360	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 13:01	KML
7440-70-2	Calcium	14600		mg/kg dry	6.00	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 13:01	KML
7440-47-3	Chromium	23.9		mg/kg dry	0.600	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 13:01	KML
7440-48-4	Cobalt	10.3		mg/kg dry	0.600	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 13:01	KML



Sample Information

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

York Sample ID: 18H0563-06

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 1:15 pm

Date Received
08/13/2018

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-50-8	Copper	41.4		mg/kg dry	0.600	1	EPA 6010C	08/15/2018 09:03	08/17/2018 13:01	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	Iron	18400		mg/kg dry	2.40	1	EPA 6010C	08/15/2018 09:03	08/17/2018 13:01	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	Lead	397		mg/kg dry	0.600	1	EPA 6010C	08/15/2018 09:03	08/17/2018 13:01	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	Magnesium	4690		mg/kg dry	6.00	1	EPA 6010C	08/15/2018 09:03	08/17/2018 13:01	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	Manganese	293		mg/kg dry	0.600	1	EPA 6010C	08/15/2018 09:03	08/17/2018 13:01	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	Nickel	19.5		mg/kg dry	0.600	1	EPA 6010C	08/15/2018 09:03	08/17/2018 13:01	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	Potassium	2480	B	mg/kg dry	6.00	1	EPA 6010C	08/15/2018 09:03	08/17/2018 13:01	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	1.20	1	EPA 6010C	08/15/2018 09:03	08/17/2018 13:01	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.600	1	EPA 6010C	08/15/2018 09:03	08/17/2018 13:01	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	Sodium	387	B	mg/kg dry	12.0	1	EPA 6010C	08/15/2018 09:03	08/17/2018 13:01	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-28-0	Thallium	ND		mg/kg dry	1.20	1	EPA 6010C	08/15/2018 09:03	08/17/2018 13:01	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	Vanadium	29.2		mg/kg dry	1.20	1	EPA 6010C	08/15/2018 09:03	08/17/2018 13:01	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	Zinc	210		mg/kg dry	1.80	1	EPA 6010C	08/15/2018 09:03	08/17/2018 13:01	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	0.909		mg/kg dry	0.0360	1	EPA 7473	08/20/2018 09:08	08/20/2018 12:53	SY
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	83.4		%	0.100	1	SM 2540G	08/17/2018 10:26	08/17/2018 16:13	TAJ
							Certifications:	CTDOH		



Sample Information

Client Sample ID: SB-4 (17'-19')

York Sample ID: 18H0563-07

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 1:25 pm

Date Received
08/13/2018

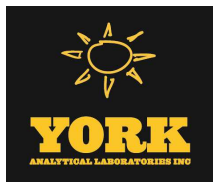
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/16/2018 09:34	08/16/2018 09:34	LL
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/16/2018 09:34	08/16/2018 09:34	LL
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.054	0.11	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
78-93-3	2-Butanone	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
591-78-6	2-Hexanone	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL



Sample Information

Client Sample ID: SB-4 (17'-19')

York Sample ID: 18H0563-07

York Project (SDG) No.

18H0563

Client Project ID

580 Gerard Ave

Matrix

Soil

Collection Date/Time

August 10, 2018 1:25 pm

Date Received

08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	0.074		mg/kg dry	0.0054	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
107-02-8	Acrolein	ND		mg/kg dry	0.0054	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
71-43-2	Benzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
75-25-2	Bromoform	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
74-83-9	Bromomethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
75-00-3	Chloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
67-66-3	Chloroform	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
74-87-3	Chloromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
110-82-7	Cyclohexane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
74-95-3	Dibromomethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL



Sample Information

Client Sample ID: SB-4 (17'-19')

York Sample ID: 18H0563-07

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 1:25 pm

Date Received
08/13/2018

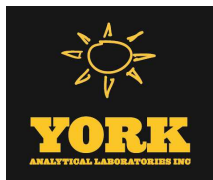
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-20-9	Methyl acetate	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
75-09-2	Methylene chloride	ND		mg/kg dry	0.0054	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
95-47-6	o-Xylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0054	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
100-42-5	Styrene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
75-65-0	tert-Butyl alcohol (TBA)	0.014		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
108-88-3	Toluene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH	08/16/2018 09:34	08/16/2018 09:34	LL
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 09:34	08/16/2018 09:34	LL
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0080	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/16/2018 09:34	08/16/2018 09:34	LL
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	91.5 %	77-125								



Sample Information

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August 10, 2018 1:25 pm

Date Received
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Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2037-26-5	Surrogate: Toluene-d8	91.9 %			85-120						
460-00-4	Surrogate: p-Bromofluorobenzene	105 %			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	0.0448	0.0895	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0895	0.179	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0895	0.179	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0895	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR



Sample Information

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York Sample ID: 18H0563-07

York Project (SDG) No.
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Collection Date/Time
August 10, 2018 1:25 pm

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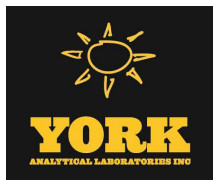
Semi-Volatiles, 8270 - Comprehensive

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
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0895	0.179	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 20:26	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 20:26	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 20:26	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications:	08/16/2018 07:38 NELAC-NY10854,NJDEP,PADEP	08/17/2018 20:26	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0895	0.179	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 20:26	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0895	0.179	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 20:26	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 20:26	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 20:26	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 20:26	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 20:26	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0895	0.179	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 20:26	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0895	0.179	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 20:26	SR
83-32-9	Acenaphthene	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 20:26	SR
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 20:26	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications:	08/16/2018 07:38 NELAC-NY10854,NJDEP,PADEP	08/17/2018 20:26	SR
62-53-3	Aniline	ND		mg/kg dry	0.179	0.358	2	EPA 8270D Certifications:	08/16/2018 07:38 NELAC-NY10854,NJDEP,PADEP	08/17/2018 20:26	SR
120-12-7	Anthracene	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 20:26	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications:	08/16/2018 07:38 NELAC-NY10854,NJDEP,PADEP	08/17/2018 20:26	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications:	08/16/2018 07:38 NELAC-NY10854,NJDEP,PADEP	08/17/2018 20:26	SR
92-87-5	Benzidine	ND		mg/kg dry	0.179	0.358	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,PADEP	08/17/2018 20:26	SR
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 20:26	SR
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 20:26	SR
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications:	08/16/2018 07:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 20:26	SR



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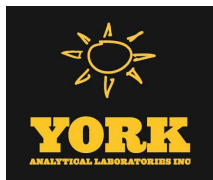
Semi-Volatiles, 8270 - Comprehensive

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
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0895	0.179	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
86-74-8	Carbazole	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
218-01-9	Chrysene	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
206-44-0	Fluoranthene	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
86-73-7	Fluorene	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR



Sample Information

Client Sample ID: SB-4 (17'-19')

York Sample ID: 18H0563-07

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 1:25 pm

Date Received
08/13/2018

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	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
85-01-8	Phenanthrene	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
108-95-2	Phenol	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
129-00-0	Pyrene	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 20:26	SR
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: 2-Fluorophenol	65.3 %									
4165-62-2	Surrogate: Phenol-d5	61.2 %									
4165-60-0	Surrogate: Nitrobenzene-d5	74.9 %									
321-60-8	Surrogate: 2-Fluorobiphenyl	64.0 %									
118-79-6	Surrogate: 2,4,6-Tribromophenol	70.4 %									
1718-51-0	Surrogate: Terphenyl-d14	70.2 %									

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:51	LAB
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:51	LAB
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:51	LAB
309-00-2	Aldrin	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:51	LAB



Sample Information

Client Sample ID: SB-4 (17'-19')

York Sample ID: 18H0563-07

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 1:25 pm

Date Received
08/13/2018

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
319-84-6	alpha-BHC	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:51	LAB
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/15/2018 14:35	08/16/2018 22:51	LAB
319-85-7	beta-BHC	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:51	LAB
57-74-9	Chlordane, total	ND		mg/kg dry	0.0352	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:51	LAB
319-86-8	delta-BHC	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:51	LAB
60-57-1	Dieldrin	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:51	LAB
959-98-8	Endosulfan I	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:51	LAB
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	08/15/2018 14:35	08/16/2018 22:51	LAB
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:51	LAB
72-20-8	Endrin	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:51	LAB
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:51	LAB
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:51	LAB
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:51	LAB
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/15/2018 14:35	08/16/2018 22:51	LAB
76-44-8	Heptachlor	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:51	LAB
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:51	LAB
72-43-5	Methoxychlor	ND		mg/kg dry	0.00880	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:51	LAB
8001-35-2	Toxaphene	ND		mg/kg dry	0.0891	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 22:51	LAB
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	59.6 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	57.9 %	30-150							

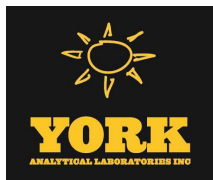
Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

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



Sample Information

Client Sample ID: SB-4 (17'-19')

York Sample ID: 18H0563-07

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 1:25 pm

Date Received
08/13/2018

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 16:52	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 16:52	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 16:52	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 16:52	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 16:52	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 16:52	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 16:52	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications:	08/15/2018 14:35	08/16/2018 16:52	LAB
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	53.5 %	30-140							
2051-24-3	Surrogate: Decachlorobiphenyl	58.2 %	30-140							

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	7140		mg/kg dry	5.36	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 13:03	KML
7440-36-0	Antimony	ND		mg/kg dry	0.536	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 13:03	KML
7440-38-2	Arsenic	1.55		mg/kg dry	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 13:03	KML
7440-39-3	Barium	29.9		mg/kg dry	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 13:03	KML
7440-41-7	Beryllium	0.212		mg/kg dry	0.107	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 13:03	KML
7440-43-9	Cadmium	ND		mg/kg dry	0.322	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 13:03	KML
7440-70-2	Calcium	851		mg/kg dry	5.36	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 13:03	KML
7440-47-3	Chromium	10.7		mg/kg dry	0.536	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 13:03	KML
7440-48-4	Cobalt	6.06		mg/kg dry	0.536	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 13:03	KML



Sample Information

Client Sample ID: SB-4 (17'-19')

York Sample ID: 18H0563-07

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 1:25 pm

Date Received
08/13/2018

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-50-8	Copper	11.5		mg/kg dry	0.536	1	EPA 6010C	08/15/2018 09:03	08/17/2018 13:03	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	Iron	13700		mg/kg dry	2.15	1	EPA 6010C	08/15/2018 09:03	08/17/2018 13:03	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	Lead	5.46		mg/kg dry	0.536	1	EPA 6010C	08/15/2018 09:03	08/17/2018 13:03	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	Magnesium	2820		mg/kg dry	5.36	1	EPA 6010C	08/15/2018 09:03	08/17/2018 13:03	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	Manganese	257		mg/kg dry	0.536	1	EPA 6010C	08/15/2018 09:03	08/17/2018 13:03	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	Nickel	12.8		mg/kg dry	0.536	1	EPA 6010C	08/15/2018 09:03	08/17/2018 13:03	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	Potassium	1040	B	mg/kg dry	5.36	1	EPA 6010C	08/15/2018 09:03	08/17/2018 13:03	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	1.07	1	EPA 6010C	08/15/2018 09:03	08/17/2018 13:03	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.536	1	EPA 6010C	08/15/2018 09:03	08/17/2018 13:03	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	Sodium	96.8	B	mg/kg dry	10.7	1	EPA 6010C	08/15/2018 09:03	08/17/2018 13:03	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-28-0	Thallium	ND		mg/kg dry	1.07	1	EPA 6010C	08/15/2018 09:03	08/17/2018 13:03	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	Vanadium	13.9		mg/kg dry	1.07	1	EPA 6010C	08/15/2018 09:03	08/17/2018 13:03	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	Zinc	38.2		mg/kg dry	1.61	1	EPA 6010C	08/15/2018 09:03	08/17/2018 13:03	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0322	1	EPA 7473	08/20/2018 09:08	08/20/2018 13:06	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	93.2		%	0.100	1	SM 2540G	08/17/2018 10:26	08/17/2018 16:13	TAJ
							Certifications:	CTDOH		



Sample Information

Client Sample ID: SB-5 (0'-2')

York Sample ID: 18H0563-08

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 11:25 am

Date Received
08/13/2018

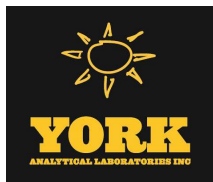
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
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	08/16/2018 10:04	08/16/2018 10:04	LL
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	08/16/2018 10:04	08/16/2018 10:04	LL
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	08/16/2018 10:04	08/16/2018 10:04	LL
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	08/16/2018 10:04	08/16/2018 10:04	LL
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
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	08/16/2018 10:04	08/16/2018 10:04	LL
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/16/2018 10:04	08/16/2018 10:04	LL
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	08/16/2018 10:04	08/16/2018 10:04	LL
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.052	0.10	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
78-93-3	2-Butanone	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
591-78-6	2-Hexanone	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL



Sample Information

Client Sample ID: SB-5 (0'-2')

York Sample ID: 18H0563-08

York Project (SDG) No.

18H0563

Client Project ID

580 Gerard Ave

Matrix

Soil

Collection Date/Time

August 10, 2018 11:25 am

Date Received

08/13/2018

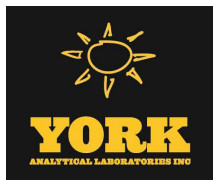
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	0.040		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
107-02-8	Acrolein	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
71-43-2	Benzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
75-25-2	Bromoform	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
74-83-9	Bromomethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
75-00-3	Chloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
67-66-3	Chloroform	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
74-87-3	Chloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
110-82-7	Cyclohexane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
74-95-3	Dibromomethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL



Sample Information

Client Sample ID: SB-5 (0'-2')

York Sample ID: 18H0563-08

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 11:25 am

Date Received
08/13/2018

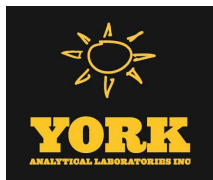
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-20-9	Methyl acetate	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
75-09-2	Methylene chloride	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
95-47-6	o-Xylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
100-42-5	Styrene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
108-88-3	Toluene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH	08/16/2018 10:04	08/16/2018 10:04	LL
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:04	08/16/2018 10:04	LL
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0078	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/16/2018 10:04	08/16/2018 10:04	LL
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	91.3 %	77-125								
2037-26-5	Surrogate: Toluene-d8	99.5 %	85-120								



Sample Information

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York Project (SDG) No.
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Matrix
Soil

Collection Date/Time
August 10, 2018 11:25 am

Date Received
08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
460-00-4	Surrogate: <i>p</i> -Bromofluorobenzene	113 %			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	0.0436	0.0871	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0871	0.174	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0871	0.174	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0871	0.174	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0871	0.174	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR



Sample Information

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Matrix
Soil

Collection Date/Time
August 10, 2018 11:25 am

Date Received
08/13/2018

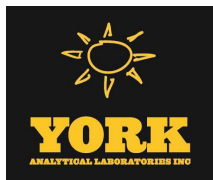
Semi-Volatiles, 8270 - Comprehensive

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
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0871	0.174	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0871	0.174	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0871	0.174	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0871	0.174	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
83-32-9	Acenaphthene	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
62-53-3	Aniline	ND		mg/kg dry	0.174	0.349	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
120-12-7	Anthracene	0.0494	J	mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
92-87-5	Benzidine	ND		mg/kg dry	0.174	0.349	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
56-55-3	Benzo(a)anthracene	0.135		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
50-32-8	Benzo(a)pyrene	0.129		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
205-99-2	Benzo(b)fluoranthene	0.113		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
191-24-2	Benzo(g,h,i)perylene	0.0724	J	mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR



Sample Information

Client Sample ID: SB-5 (0'-2')

York Sample ID: 18H0563-08

York Project (SDG) No.
18H0563

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580 Gerard Ave

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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
207-08-9	Benzo(k)fluoranthene	0.117		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0871	0.174	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
86-74-8	Carbazole	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
218-01-9	Chrysene	0.143		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
206-44-0	Fluoranthene	0.336		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
86-73-7	Fluorene	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR



Sample Information

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Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
193-39-5	Indeno(1,2,3-cd)pyrene	0.0654	J	mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
85-01-8	Phenanthrene	0.275		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
108-95-2	Phenol	ND		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
129-00-0	Pyrene	0.276		mg/kg dry	0.0436	0.0871	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 21:59	SR
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	73.2 %	20-108								
4165-62-2	Surrogate: Phenol-d5	68.9 %	23-114								
4165-60-0	Surrogate: Nitrobenzene-d5	81.2 %	22-108								
321-60-8	Surrogate: 2-Fluorobiphenyl	66.2 %	21-113								
118-79-6	Surrogate: 2,4,6-Tribromophenol	73.2 %	19-110								
1718-51-0	Surrogate: Terphenyl-d14	78.9 %	24-116								

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00171	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:06	LAB
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00171	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:06	LAB
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00171	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:06	LAB
309-00-2	Aldrin	ND		mg/kg dry	0.00171	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:06	LAB
319-84-6	alpha-BHC	ND		mg/kg dry	0.00171	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:06	LAB



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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00171	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/15/2018 14:35	08/16/2018 23:06	LAB
319-85-7	beta-BHC	ND		mg/kg dry	0.00171	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:06	LAB
57-74-9	Chlordane, total	ND		mg/kg dry	0.0343	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:06	LAB
319-86-8	delta-BHC	ND		mg/kg dry	0.00171	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:06	LAB
60-57-1	Dieldrin	ND		mg/kg dry	0.00171	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:06	LAB
959-98-8	Endosulfan I	ND		mg/kg dry	0.00171	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:06	LAB
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00171	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	08/15/2018 14:35	08/16/2018 23:06	LAB
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00171	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:06	LAB
72-20-8	Endrin	ND		mg/kg dry	0.00171	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:06	LAB
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00171	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:06	LAB
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00171	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:06	LAB
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00171	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:06	LAB
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00171	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/15/2018 14:35	08/16/2018 23:06	LAB
76-44-8	Heptachlor	ND		mg/kg dry	0.00171	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:06	LAB
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00171	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:06	LAB
72-43-5	Methoxychlor	ND		mg/kg dry	0.00857	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:06	LAB
8001-35-2	Toxaphene	ND		mg/kg dry	0.0868	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:06	LAB
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	55.6 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	55.7 %	30-150							

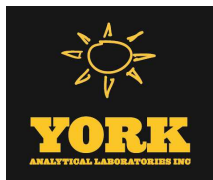
Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0173	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 17:16	LAB



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Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0173	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 17:16	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0173	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 17:16	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0173	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 17:16	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0173	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 17:16	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0173	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 17:16	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0173	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 17:16	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0173	1	EPA 8082A Certifications:	08/15/2018 14:35	08/16/2018 17:16	LAB
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	51.5 %		30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	45.8 %		30-140						

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	7860		mg/kg dry	5.22	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 13:05	KML
7440-36-0	Antimony	ND		mg/kg dry	0.522	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 13:05	KML
7440-38-2	Arsenic	1.77		mg/kg dry	1.04	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 13:05	KML
7440-39-3	Barium	57.3		mg/kg dry	1.04	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 13:05	KML
7440-41-7	Beryllium	0.184		mg/kg dry	0.104	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 13:05	KML
7440-43-9	Cadmium	ND		mg/kg dry	0.313	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 13:05	KML
7440-70-2	Calcium	1920		mg/kg dry	5.22	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 13:05	KML
7440-47-3	Chromium	13.3		mg/kg dry	0.522	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 13:05	KML
7440-48-4	Cobalt	4.83		mg/kg dry	0.522	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 13:05	KML
7440-50-8	Copper	11.7		mg/kg dry	0.522	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 13:05	KML
7439-89-6	Iron	11100		mg/kg dry	2.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 13:05	KML



Sample Information

Client Sample ID: SB-5 (0'-2')

York Sample ID: 18H0563-08

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 11:25 am

Date Received
08/13/2018

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	59.1		mg/kg dry	0.522	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 13:05	KML
7439-95-4	Magnesium	2870		mg/kg dry	5.22	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 13:05	KML
7439-96-5	Manganese	289		mg/kg dry	0.522	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 13:05	KML
7440-02-0	Nickel	11.0		mg/kg dry	0.522	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 13:05	KML
7440-09-7	Potassium	1110	B	mg/kg dry	5.22	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 13:05	KML
7782-49-2	Selenium	ND		mg/kg dry	1.04	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 13:05	KML
7440-22-4	Silver	ND		mg/kg dry	0.522	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 13:05	KML
7440-23-5	Sodium	170	B	mg/kg dry	10.4	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2018 09:03	08/17/2018 13:05	KML
7440-28-0	Thallium	ND		mg/kg dry	1.04	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 13:05	KML
7440-62-2	Vanadium	15.4		mg/kg dry	1.04	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 13:05	KML
7440-66-6	Zinc	87.3		mg/kg dry	1.57	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:03	08/17/2018 13:05	KML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.0873		mg/kg dry	0.0313	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	08/20/2018 09:08	08/20/2018 13:14	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	95.8		%	0.100	1	SM 2540G Certifications: CTDOH	08/17/2018 10:26	08/17/2018 16:13	TAJ



Sample Information

Client Sample ID: SB-5 (10'-12')

York Sample ID: 18H0563-09

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 11:46 am

Date Received
08/13/2018

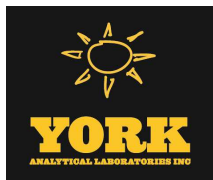
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/16/2018 10:34	08/16/2018 10:34	LL
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/16/2018 10:34	08/16/2018 10:34	LL
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.064	0.13	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
78-93-3	2-Butanone	0.011		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
591-78-6	2-Hexanone	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL



Sample Information

Client Sample ID: SB-5 (10'-12')

York Sample ID: 18H0563-09

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 11:46 am

Date Received
08/13/2018

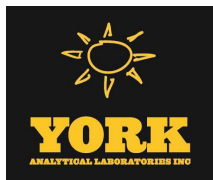
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	0.17		mg/kg dry	0.0064	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
107-02-8	Acrolein	ND		mg/kg dry	0.0064	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
71-43-2	Benzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
75-25-2	Bromoform	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
74-83-9	Bromomethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
75-00-3	Chloroethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
67-66-3	Chloroform	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
74-87-3	Chloromethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
110-82-7	Cyclohexane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
74-95-3	Dibromomethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL



Sample Information

Client Sample ID: SB-5 (10'-12')

York Sample ID: 18H0563-09

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 11:46 am

Date Received
08/13/2018

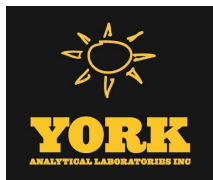
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-20-9	Methyl acetate	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
75-09-2	Methylene chloride	0.012	J	mg/kg dry	0.0064	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
95-47-6	o-Xylene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0064	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
100-42-5	Styrene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
75-65-0	tert-Butyl alcohol (TBA)	0.14		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
108-88-3	Toluene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH	08/16/2018 10:34	08/16/2018 10:34	LL
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 10:34	08/16/2018 10:34	LL
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0097	0.019	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/16/2018 10:34	08/16/2018 10:34	LL
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	91.0 %	77-125								



Sample Information

Client Sample ID: SB-5 (10'-12')

York Sample ID: 18H0563-09

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 11:46 am

Date Received
08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2037-26-5	Surrogate: Toluene-d8	101 %			85-120						
460-00-4	Surrogate: p-Bromofluorobenzene	110 %			76-130						

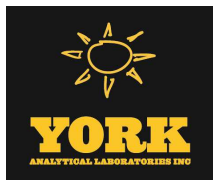
Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.107	0.215	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.107	0.215	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.107	0.215	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR



Sample Information

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Collection Date/Time
August 10, 2018 11:46 am

Date Received
08/13/2018

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	0.107	0.215	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.107	0.215	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.107	0.215	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.107	0.215	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.107	0.215	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
83-32-9	Acenaphthene	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
62-53-3	Aniline	ND		mg/kg dry	0.215	0.430	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
120-12-7	Anthracene	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
92-87-5	Benzidine	ND		mg/kg dry	0.215	0.430	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR



Sample Information

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York Sample ID: 18H0563-09

York Project (SDG) No.
18H0563

Client Project ID
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Collection Date/Time
August 10, 2018 11:46 am

Date Received
08/13/2018

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	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.107	0.215	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
86-74-8	Carbazole	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
218-01-9	Chrysene	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
206-44-0	Fluoranthene	0.0867	J	mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
86-73-7	Fluorene	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR



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August 10, 2018 11:46 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
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
85-01-8	Phenanthrene	0.0635	J	mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
108-95-2	Phenol	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
129-00-0	Pyrene	0.0773	J	mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 22:30	SR
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: 2-Fluorophenol	62.9 %									
4165-62-2	Surrogate: Phenol-d5	65.4 %									
4165-60-0	Surrogate: Nitrobenzene-d5	73.8 %									
321-60-8	Surrogate: 2-Fluorobiphenyl	63.6 %									
118-79-6	Surrogate: 2,4,6-Tribromophenol	38.0 %									
1718-51-0	Surrogate: Terphenyl-d14	73.3 %									

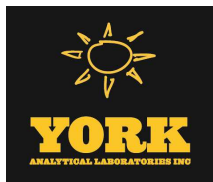
Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:21	LAB
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:21	LAB
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:21	LAB
309-00-2	Aldrin	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:21	LAB



Sample Information

Client Sample ID: SB-5 (10'-12')

York Sample ID: 18H0563-09

York Project (SDG) No.

18H0563

Client Project ID

580 Gerard Ave

Matrix

Soil

Collection Date/Time

August 10, 2018 11:46 am

Date Received

08/13/2018

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
319-84-6	alpha-BHC	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:21	LAB
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/15/2018 14:35	08/16/2018 23:21	LAB
319-85-7	beta-BHC	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:21	LAB
57-74-9	Chlordane, total	ND		mg/kg dry	0.0425	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:21	LAB
319-86-8	delta-BHC	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:21	LAB
60-57-1	Dieldrin	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:21	LAB
959-98-8	Endosulfan I	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:21	LAB
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	08/15/2018 14:35	08/16/2018 23:21	LAB
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:21	LAB
72-20-8	Endrin	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:21	LAB
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:21	LAB
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:21	LAB
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:21	LAB
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/15/2018 14:35	08/16/2018 23:21	LAB
76-44-8	Heptachlor	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:21	LAB
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:21	LAB
72-43-5	Methoxychlor	ND		mg/kg dry	0.0106	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:21	LAB
8001-35-2	Toxaphene	ND		mg/kg dry	0.107	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:21	LAB
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	55.3 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	56.7 %	30-150							

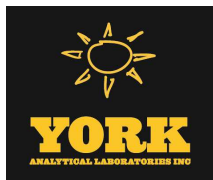
Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

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



Sample Information

Client Sample ID: SB-5 (10'-12')

York Sample ID: 18H0563-09

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 11:46 am

Date Received
08/13/2018

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0214	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 17:40	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0214	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 17:40	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0214	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 17:40	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0214	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 17:40	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0214	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 17:40	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0214	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 17:40	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0214	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 17:40	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0214	1	EPA 8082A Certifications:	08/15/2018 14:35	08/16/2018 17:40	LAB
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	54.5 %	30-140							
2051-24-3	Surrogate: Decachlorobiphenyl	55.7 %	30-140							

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	8570	B	mg/kg dry	6.44	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:29	KML
7440-36-0	Antimony	1.94		mg/kg dry	0.644	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:29	KML
7440-38-2	Arsenic	3.80		mg/kg dry	1.29	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:29	KML
7440-39-3	Barium	62.1		mg/kg dry	1.29	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:29	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.129	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:29	KML
7440-43-9	Cadmium	ND		mg/kg dry	0.386	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:29	KML
7440-70-2	Calcium	10000		mg/kg dry	6.44	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:29	KML
7440-47-3	Chromium	20.4		mg/kg dry	0.644	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:29	KML
7440-48-4	Cobalt	6.37		mg/kg dry	0.644	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:29	KML



Sample Information

Client Sample ID: SB-5 (10'-12')

York Sample ID: 18H0563-09

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 11:46 am

Date Received
08/13/2018

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-50-8	Copper	13.1		mg/kg dry	0.644	1	EPA 6010C	08/15/2018 09:08	08/20/2018 13:29	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	Iron	13800		mg/kg dry	2.58	1	EPA 6010C	08/15/2018 09:08	08/20/2018 13:29	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	Lead	18.2		mg/kg dry	0.644	1	EPA 6010C	08/15/2018 09:08	08/20/2018 13:29	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	Magnesium	3020		mg/kg dry	6.44	1	EPA 6010C	08/15/2018 09:08	08/20/2018 13:29	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	Manganese	377		mg/kg dry	0.644	1	EPA 6010C	08/15/2018 09:08	08/20/2018 13:29	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	Nickel	15.6		mg/kg dry	0.644	1	EPA 6010C	08/15/2018 09:08	08/20/2018 13:29	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	Potassium	1700		mg/kg dry	6.44	1	EPA 6010C	08/15/2018 09:08	08/20/2018 13:29	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	1.29	1	EPA 6010C	08/15/2018 09:08	08/20/2018 13:29	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.644	1	EPA 6010C	08/15/2018 09:08	08/20/2018 13:29	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	Sodium	348	B	mg/kg dry	12.9	1	EPA 6010C	08/15/2018 09:08	08/20/2018 13:29	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-28-0	Thallium	ND		mg/kg dry	1.29	1	EPA 6010C	08/15/2018 09:08	08/20/2018 13:29	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	Vanadium	18.6		mg/kg dry	1.29	1	EPA 6010C	08/15/2018 09:08	08/20/2018 13:29	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	Zinc	47.4		mg/kg dry	1.93	1	EPA 6010C	08/15/2018 09:08	08/20/2018 13:29	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0386	1	EPA 7473	08/20/2018 09:08	08/20/2018 13:23	SY
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

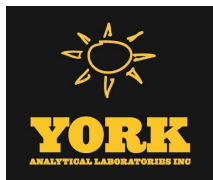
Total Solids

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	77.6		%	0.100	1	SM 2540G	08/17/2018 10:26	08/17/2018 16:13	TAJ
							Certifications:	CTDOH		



Sample Information

Client Sample ID: SB-6 (0'-2')

York Sample ID: 18H0563-10

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 12:07 pm

Date Received
08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/16/2018 11:03	08/16/2018 11:03	LL
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/16/2018 11:03	08/16/2018 11:03	LL
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.055	0.11	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
78-93-3	2-Butanone	0.0031	J	mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
591-78-6	2-Hexanone	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL



Sample Information

Client Sample ID: SB-6 (0'-2')

York Sample ID: 18H0563-10

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 12:07 pm

Date Received
08/13/2018

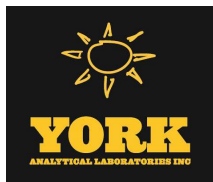
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	0.11		mg/kg dry	0.0055	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
107-02-8	Acrolein	ND		mg/kg dry	0.0055	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
71-43-2	Benzene	0.0031	J	mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
75-25-2	Bromoform	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
74-83-9	Bromomethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
75-00-3	Chloroethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
67-66-3	Chloroform	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
74-87-3	Chloromethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
110-82-7	Cyclohexane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
74-95-3	Dibromomethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL



Sample Information

Client Sample ID: SB-6 (0'-2')

York Sample ID: 18H0563-10

York Project (SDG) No.

18H0563

Client Project ID

580 Gerard Ave

Matrix

Soil

Collection Date/Time

August 10, 2018 12:07 pm

Date Received

08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-20-9	Methyl acetate	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
75-09-2	Methylene chloride	ND		mg/kg dry	0.0055	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
95-47-6	o-Xylene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0055	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
100-42-5	Styrene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
75-65-0	tert-Butyl alcohol (TBA)	0.017		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
108-88-3	Toluene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH	08/16/2018 11:03	08/16/2018 11:03	LL
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:03	08/16/2018 11:03	LL
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0083	0.017	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/16/2018 11:03	08/16/2018 11:03	LL
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	94.0 %	77-125								



Sample Information

Client Sample ID: SB-6 (0'-2')

York Sample ID: 18H0563-10

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
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Collection Date/Time
August 10, 2018 12:07 pm

Date Received
08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2037-26-5	Surrogate: Toluene-d8	116 %			85-120						
460-00-4	Surrogate: p-Bromofluorobenzene	121 %			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	0.0461	0.0920	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0920	0.184	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0920	0.184	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0920	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR



Sample Information

Client Sample ID: SB-6 (0'-2')

York Sample ID: 18H0563-10

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
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Collection Date/Time
August 10, 2018 12:07 pm

Date Received
08/13/2018

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	0.0920	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0920	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0920	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0920	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0920	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
83-32-9	Acenaphthene	0.179		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
208-96-8	Acenaphthylene	0.0706	J	mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
62-53-3	Aniline	ND		mg/kg dry	0.184	0.368	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
120-12-7	Anthracene	0.451		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
92-87-5	Benzidine	ND		mg/kg dry	0.184	0.368	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
56-55-3	Benzo(a)anthracene	1.05		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
50-32-8	Benzo(a)pyrene	1.10		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
205-99-2	Benzo(b)fluoranthene	0.886		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR



Sample Information

Client Sample ID: SB-6 (0'-2')

York Sample ID: 18H0563-10

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
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Collection Date/Time
August 10, 2018 12:07 pm

Date Received
08/13/2018

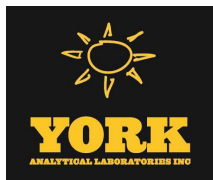
Semi-Volatiles, 8270 - Comprehensive

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	0.562		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
207-08-9	Benzo(k)fluoranthene	0.903		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0920	0.184	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
86-74-8	Carbazole	0.128		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
218-01-9	Chrysene	1.09		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
53-70-3	Dibenzo(a,h)anthracene	0.200		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
132-64-9	Dibenzofuran	0.0757	J	mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
206-44-0	Fluoranthene	2.62		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
86-73-7	Fluorene	0.148		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR



Sample Information

Client Sample ID: SB-6 (0'-2')

York Sample ID: 18H0563-10

York Project (SDG) No.
18H0563

Client Project ID
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Matrix
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Collection Date/Time
August 10, 2018 12:07 pm

Date Received
08/13/2018

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	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
193-39-5	Indeno(1,2,3-cd)pyrene	0.515		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
85-01-8	Phenanthrene	1.98		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
108-95-2	Phenol	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
129-00-0	Pyrene	2.20		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:00	SR
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	67.7 %	20-108								
4165-62-2	Surrogate: Phenol-d5	70.0 %	23-114								
4165-60-0	Surrogate: Nitrobenzene-d5	76.7 %	22-108								
321-60-8	Surrogate: 2-Fluorobiphenyl	64.1 %	21-113								
118-79-6	Surrogate: 2,4,6-Tribromophenol	69.6 %	19-110								
1718-51-0	Surrogate: Terphenyl-d14	71.7 %	24-116								

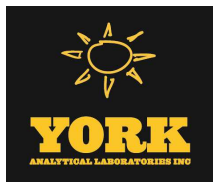
Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:36	LAB
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:36	LAB
50-29-3	4,4'-DDT	0.00469		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:36	LAB
309-00-2	Aldrin	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:36	LAB



Sample Information

Client Sample ID: SB-6 (0'-2')

York Sample ID: 18H0563-10

York Project (SDG) No.

18H0563

Client Project ID

580 Gerard Ave

Matrix

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Collection Date/Time

August 10, 2018 12:07 pm

Date Received

08/13/2018

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
319-84-6	alpha-BHC	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:36	LAB
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/15/2018 14:35	08/16/2018 23:36	LAB
319-85-7	beta-BHC	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:36	LAB
57-74-9	Chlordane, total	ND		mg/kg dry	0.0362	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:36	LAB
319-86-8	delta-BHC	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:36	LAB
60-57-1	Dieldrin	0.00242		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:36	LAB
959-98-8	Endosulfan I	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:36	LAB
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	08/15/2018 14:35	08/16/2018 23:36	LAB
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:36	LAB
72-20-8	Endrin	0.00372		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:36	LAB
7421-93-4	Endrin aldehyde	0.00203		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:36	LAB
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:36	LAB
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:36	LAB
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/15/2018 14:35	08/16/2018 23:36	LAB
76-44-8	Heptachlor	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:36	LAB
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:36	LAB
72-43-5	Methoxychlor	ND		mg/kg dry	0.00904	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:36	LAB
8001-35-2	Toxaphene	ND		mg/kg dry	0.0915	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:36	LAB
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	54.1 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	67.6 %	30-150							

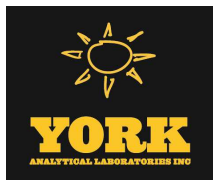
Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

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



Sample Information

Client Sample ID: SB-6 (0'-2')

York Sample ID: 18H0563-10

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

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Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 18:04	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 18:04	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 18:04	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 18:04	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 18:04	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 18:04	LAB
11096-82-5	Aroclor 1260	0.0302		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 18:04	LAB
1336-36-3	* Total PCBs	0.0302		mg/kg dry	0.0183	1	EPA 8082A Certifications:	08/15/2018 14:35	08/16/2018 18:04	LAB
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	61.9 %	30-140							
2051-24-3	Surrogate: Decachlorobiphenyl	57.2 %	30-140							

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	8850	B	mg/kg dry	5.51	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:41	KML
7440-36-0	Antimony	1.64		mg/kg dry	0.551	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:41	KML
7440-38-2	Arsenic	4.79		mg/kg dry	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:41	KML
7440-39-3	Barium	215		mg/kg dry	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:41	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.110	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:41	KML
7440-43-9	Cadmium	0.753		mg/kg dry	0.331	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:41	KML
7440-70-2	Calcium	10200		mg/kg dry	5.51	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:41	KML
7440-47-3	Chromium	17.0		mg/kg dry	0.551	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:41	KML
7440-48-4	Cobalt	7.60		mg/kg dry	0.551	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:41	KML



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Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-50-8	Copper	46.8		mg/kg dry	0.551	1	EPA 6010C	08/15/2018 09:08	08/20/2018 13:41	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	Iron	14600		mg/kg dry	2.21	1	EPA 6010C	08/15/2018 09:08	08/20/2018 13:41	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	Lead	328		mg/kg dry	0.551	1	EPA 6010C	08/15/2018 09:08	08/20/2018 13:41	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	Magnesium	3340		mg/kg dry	5.51	1	EPA 6010C	08/15/2018 09:08	08/20/2018 13:41	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	Manganese	240		mg/kg dry	0.551	1	EPA 6010C	08/15/2018 09:08	08/20/2018 13:41	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	Nickel	16.7		mg/kg dry	0.551	1	EPA 6010C	08/15/2018 09:08	08/20/2018 13:41	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	Potassium	1460		mg/kg dry	5.51	1	EPA 6010C	08/15/2018 09:08	08/20/2018 13:41	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	1.10	1	EPA 6010C	08/15/2018 09:08	08/20/2018 13:41	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.551	1	EPA 6010C	08/15/2018 09:08	08/20/2018 13:41	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	Sodium	311	B	mg/kg dry	11.0	1	EPA 6010C	08/15/2018 09:08	08/20/2018 13:41	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-28-0	Thallium	ND		mg/kg dry	1.10	1	EPA 6010C	08/15/2018 09:08	08/20/2018 13:41	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	Vanadium	19.9		mg/kg dry	1.10	1	EPA 6010C	08/15/2018 09:08	08/20/2018 13:41	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	Zinc	262		mg/kg dry	1.65	1	EPA 6010C	08/15/2018 09:08	08/20/2018 13:41	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	0.286		mg/kg dry	0.0331	1	EPA 7473	08/20/2018 09:08	08/20/2018 13:32	SY
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

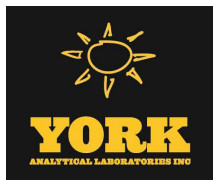
Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	90.7		%	0.100	1	SM 2540G	08/17/2018 10:26	08/17/2018 16:13	TAJ
							Certifications:	CTDOH		



Sample Information

Client Sample ID: SB-6 (10'-12')

York Sample ID: 18H0563-11

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 12:25 pm

Date Received
08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/16/2018 11:33	08/16/2018 11:33	LL
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/16/2018 11:33	08/16/2018 11:33	LL
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.063	0.13	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
78-93-3	2-Butanone	0.021		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
591-78-6	2-Hexanone	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL



Sample Information

Client Sample ID: SB-6 (10'-12')

York Sample ID: 18H0563-11

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 12:25 pm

Date Received
08/13/2018

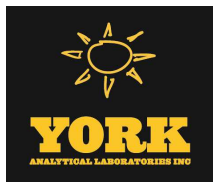
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	0.14		mg/kg dry	0.0063	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
107-02-8	Acrolein	ND		mg/kg dry	0.0063	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
71-43-2	Benzene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
75-25-2	Bromoform	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
74-83-9	Bromomethane	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
75-00-3	Chloroethane	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
67-66-3	Chloroform	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
74-87-3	Chloromethane	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
110-82-7	Cyclohexane	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
74-95-3	Dibromomethane	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL



Sample Information

Client Sample ID: SB-6 (10'-12')

York Sample ID: 18H0563-11

York Project (SDG) No.

18H0563

Client Project ID

580 Gerard Ave

Matrix

Soil

Collection Date/Time

August 10, 2018 12:25 pm

Date Received

08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-20-9	Methyl acetate	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
75-09-2	Methylene chloride	ND		mg/kg dry	0.0063	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
95-47-6	o-Xylene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0063	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
100-42-5	Styrene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
75-65-0	tert-Butyl alcohol (TBA)	0.010		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
108-88-3	Toluene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH	08/16/2018 11:33	08/16/2018 11:33	LL
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 11:33	08/16/2018 11:33	LL
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0094	0.019	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/16/2018 11:33	08/16/2018 11:33	LL
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	93.1 %	77-125								



Sample Information

Client Sample ID: SB-6 (10'-12')

York Sample ID: 18H0563-11

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 12:25 pm

Date Received
08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2037-26-5	Surrogate: Toluene-d8	96.5 %			85-120						
460-00-4	Surrogate: p-Bromofluorobenzene	105 %			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	0.0526	0.105	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR



Sample Information

Client Sample ID: SB-6 (10'-12')

York Sample ID: 18H0563-11

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 12:25 pm

Date Received
08/13/2018

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	0.105	0.210	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
83-32-9	Acenaphthene	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
62-53-3	Aniline	ND		mg/kg dry	0.210	0.420	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
120-12-7	Anthracene	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
92-87-5	Benzidine	ND		mg/kg dry	0.210	0.420	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
56-55-3	Benzo(a)anthracene	0.143		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
50-32-8	Benzo(a)pyrene	0.165		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
205-99-2	Benzo(b)fluoranthene	0.139		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR



Sample Information

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York Sample ID: 18H0563-11

York Project (SDG) No.
18H0563

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Matrix
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Collection Date/Time
August 10, 2018 12:25 pm

Date Received
08/13/2018

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	0.104	J	mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
207-08-9	Benzo(k)fluoranthene	0.153		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
117-81-7	Bis(2-ethylhexyl)phthalate	0.225		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
86-74-8	Carbazole	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
218-01-9	Chrysene	0.160		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
206-44-0	Fluoranthene	0.328		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
86-73-7	Fluorene	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR



Sample Information

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Collection Date/Time
August 10, 2018 12:25 pm

Date Received
08/13/2018

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	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
193-39-5	Indeno(1,2,3-cd)pyrene	0.0880	J	mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
85-01-8	Phenanthrene	0.238		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
108-95-2	Phenol	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
129-00-0	Pyrene	0.286		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 07:38	08/17/2018 23:32	SR
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	62.1 %	20-108								
4165-62-2	Surrogate: Phenol-d5	65.2 %	23-114								
4165-60-0	Surrogate: Nitrobenzene-d5	79.4 %	22-108								
321-60-8	Surrogate: 2-Fluorobiphenyl	65.0 %	21-113								
118-79-6	Surrogate: 2,4,6-Tribromophenol	38.0 %	19-110								
1718-51-0	Surrogate: Terphenyl-d14	80.6 %	24-116								

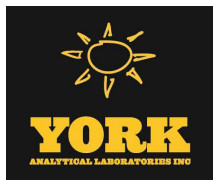
Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00207	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:51	LAB
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00207	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:51	LAB
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00207	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:51	LAB
309-00-2	Aldrin	ND		mg/kg dry	0.00207	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:51	LAB



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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
319-84-6	alpha-BHC	ND		mg/kg dry	0.00207	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:51	LAB
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00207	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/15/2018 14:35	08/16/2018 23:51	LAB
319-85-7	beta-BHC	ND		mg/kg dry	0.00207	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:51	LAB
57-74-9	Chlordane, total	ND		mg/kg dry	0.0415	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:51	LAB
319-86-8	delta-BHC	ND		mg/kg dry	0.00207	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:51	LAB
60-57-1	Dieldrin	ND		mg/kg dry	0.00207	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:51	LAB
959-98-8	Endosulfan I	ND		mg/kg dry	0.00207	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:51	LAB
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00207	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	08/15/2018 14:35	08/16/2018 23:51	LAB
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00207	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:51	LAB
72-20-8	Endrin	ND		mg/kg dry	0.00207	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:51	LAB
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00207	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:51	LAB
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00207	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:51	LAB
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00207	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:51	LAB
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00207	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/15/2018 14:35	08/16/2018 23:51	LAB
76-44-8	Heptachlor	ND		mg/kg dry	0.00207	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:51	LAB
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00207	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:51	LAB
72-43-5	Methoxychlor	ND		mg/kg dry	0.0104	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:51	LAB
8001-35-2	Toxaphene	ND		mg/kg dry	0.105	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 23:51	LAB
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	65.7 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	72.6 %	30-150							

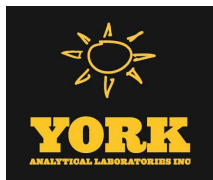
Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

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



Sample Information

Client Sample ID: SB-6 (10'-12')

York Sample ID: 18H0563-11

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 12:25 pm

Date Received
08/13/2018

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0209	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 18:28	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0209	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 18:28	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0209	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 18:28	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0209	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 18:28	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0209	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 18:28	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0209	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 18:28	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0209	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 18:28	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0209	1	EPA 8082A Certifications:	08/15/2018 14:35	08/16/2018 18:28	LAB
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	66.8 %	30-140							
2051-24-3	Surrogate: Decachlorobiphenyl	63.7 %	30-140							

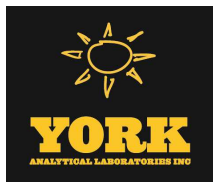
Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	23400	B	mg/kg dry	6.29	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:43	KML
7440-36-0	Antimony	4.71		mg/kg dry	0.629	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:43	KML
7440-38-2	Arsenic	7.07		mg/kg dry	1.26	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:43	KML
7440-39-3	Barium	879		mg/kg dry	1.26	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:43	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.126	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:43	KML
7440-43-9	Cadmium	1.08		mg/kg dry	0.377	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:43	KML
7440-70-2	Calcium	16700		mg/kg dry	6.29	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:43	KML
7440-47-3	Chromium	58.1		mg/kg dry	0.629	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:43	KML
7440-48-4	Cobalt	26.4		mg/kg dry	0.629	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:43	KML



Sample Information

Client Sample ID: SB-6 (10'-12')

York Sample ID: 18H0563-11

York Project (SDG) No.

18H0563

Client Project ID

580 Gerard Ave

Matrix

Soil

Collection Date/Time

August 10, 2018 12:25 pm

Date Received

08/13/2018

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-50-8	Copper	43.9		mg/kg dry	0.629	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:43	KML
7439-89-6	Iron	45400		mg/kg dry	2.52	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:43	KML
7439-92-1	Lead	92.2		mg/kg dry	0.629	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:43	KML
7439-95-4	Magnesium	14100		mg/kg dry	6.29	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:43	KML
7439-96-5	Manganese	650		mg/kg dry	0.629	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:43	KML
7440-02-0	Nickel	47.2		mg/kg dry	0.629	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:43	KML
7440-09-7	Potassium	15000		mg/kg dry	6.29	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:43	KML
7782-49-2	Selenium	ND		mg/kg dry	1.26	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:43	KML
7440-22-4	Silver	ND		mg/kg dry	0.629	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:43	KML
7440-23-5	Sodium	424	B	mg/kg dry	12.6	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2018 09:08	08/20/2018 13:43	KML
7440-28-0	Thallium	ND		mg/kg dry	1.26	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:43	KML
7440-62-2	Vanadium	73.3		mg/kg dry	1.26	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:43	KML
7440-66-6	Zinc	232		mg/kg dry	1.89	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:43	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	0.0860		mg/kg dry	0.0377	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	08/20/2018 09:08	08/20/2018 14:00	SY

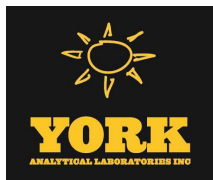
Total Solids

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	79.5		%	0.100	1	SM 2540G Certifications: CTDOH	08/17/2018 10:26	08/17/2018 16:13	TAJ



Sample Information

Client Sample ID: SB-7 (0'-2')

York Sample ID: 18H0563-12

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 2:15 pm

Date Received
08/13/2018

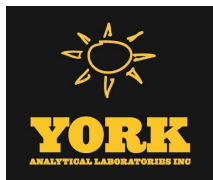
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/16/2018 12:03	08/16/2018 12:03	LL
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/16/2018 12:03	08/16/2018 12:03	LL
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.054	0.11	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
78-93-3	2-Butanone	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
591-78-6	2-Hexanone	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL



Sample Information

Client Sample ID: SB-7 (0'-2')

York Sample ID: 18H0563-12

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 2:15 pm

Date Received
08/13/2018

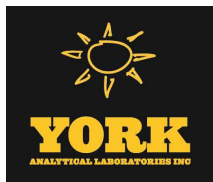
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	0.036		mg/kg dry	0.0054	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
107-02-8	Acrolein	ND		mg/kg dry	0.0054	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
71-43-2	Benzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
75-25-2	Bromoform	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
74-83-9	Bromomethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
75-00-3	Chloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
67-66-3	Chloroform	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
74-87-3	Chloromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
110-82-7	Cyclohexane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
74-95-3	Dibromomethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL



Sample Information

Client Sample ID: SB-7 (0'-2')

York Sample ID: 18H0563-12

York Project (SDG) No.

18H0563

Client Project ID

580 Gerard Ave

Matrix

Soil

Collection Date/Time

August 10, 2018 2:15 pm

Date Received

08/13/2018

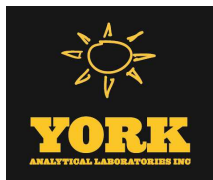
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-20-9	Methyl acetate	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
75-09-2	Methylene chloride	ND		mg/kg dry	0.0054	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
95-47-6	o-Xylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0054	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
100-42-5	Styrene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
75-65-0	tert-Butyl alcohol (TBA)	0.0065		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
108-88-3	Toluene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH	08/16/2018 12:03	08/16/2018 12:03	LL
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:03	08/16/2018 12:03	LL
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0082	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/16/2018 12:03	08/16/2018 12:03	LL
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	89.4 %	77-125								



Sample Information

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York Sample ID: 18H0563-12

York Project (SDG) No.
18H0563

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Collection Date/Time
August 10, 2018 2:15 pm

Date Received
08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2037-26-5	Surrogate: Toluene-d8	100 %			85-120						
460-00-4	Surrogate: p-Bromofluorobenzene	104 %			76-130						

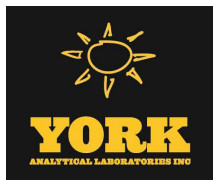
Semi-Volatiles, 8270 - Comprehensive

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	0.0588	J	mg/kg dry	0.0455	0.0908	2	EPA 8270D	08/15/2018 14:39	08/17/2018 02:14	SR
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0908	0.181	2	EPA 8270D	08/15/2018 14:39	08/17/2018 02:14	SR
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D	08/15/2018 14:39	08/17/2018 02:14	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D	08/15/2018 14:39	08/17/2018 02:14	SR
								Certifications:	NELAC-NY10854,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D	08/15/2018 14:39	08/17/2018 02:14	SR
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D	08/15/2018 14:39	08/17/2018 02:14	SR
								Certifications:	NELAC-NY10854,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D	08/15/2018 14:39	08/17/2018 02:14	SR
								Certifications:	NELAC-NY10854,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0908	0.181	2	EPA 8270D	08/15/2018 14:39	08/17/2018 02:14	SR
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D	08/15/2018 14:39	08/17/2018 02:14	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D	08/15/2018 14:39	08/17/2018 02:14	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D	08/15/2018 14:39	08/17/2018 02:14	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D	08/15/2018 14:39	08/17/2018 02:14	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0908	0.181	2	EPA 8270D	08/15/2018 14:39	08/17/2018 02:14	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D	08/15/2018 14:39	08/17/2018 02:14	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D	08/15/2018 14:39	08/17/2018 02:14	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D	08/15/2018 14:39	08/17/2018 02:14	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D	08/15/2018 14:39	08/17/2018 02:14	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	0.139		mg/kg dry	0.0455	0.0908	2	EPA 8270D	08/15/2018 14:39	08/17/2018 02:14	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D	08/15/2018 14:39	08/17/2018 02:14	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		



Sample Information

Client Sample ID: SB-7 (0'-2')

York Sample ID: 18H0563-12

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

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Collection Date/Time
August 10, 2018 2:15 pm

Date Received
08/13/2018

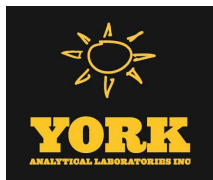
Semi-Volatiles, 8270 - Comprehensive

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	0.0908	0.181	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 02:14	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 02:14	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 02:14	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications:	08/15/2018 14:39 NELAC-NY10854,NJDEP,PADEP	08/17/2018 02:14	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0908	0.181	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 02:14	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0908	0.181	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 02:14	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 02:14	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 02:14	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 02:14	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 02:14	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0908	0.181	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 02:14	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0908	0.181	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 02:14	SR
83-32-9	Acenaphthene	1.34		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 02:14	SR
208-96-8	Acenaphthylene	0.100		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 02:14	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications:	08/15/2018 14:39 NELAC-NY10854,NJDEP,PADEP	08/17/2018 02:14	SR
62-53-3	Aniline	ND		mg/kg dry	0.182	0.364	2	EPA 8270D Certifications:	08/15/2018 14:39 NELAC-NY10854,NJDEP,PADEP	08/17/2018 02:14	SR
120-12-7	Anthracene	3.22		mg/kg dry	0.455	0.908	20	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 14:16	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications:	08/15/2018 14:39 NELAC-NY10854,NJDEP,PADEP	08/17/2018 02:14	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications:	08/15/2018 14:39 NELAC-NY10854,NJDEP,PADEP	08/17/2018 02:14	SR
92-87-5	Benzidine	ND		mg/kg dry	0.182	0.364	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 02:14	SR
56-55-3	Benzo(a)anthracene	5.77		mg/kg dry	0.455	0.908	20	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 14:16	SR
50-32-8	Benzo(a)pyrene	5.64		mg/kg dry	0.455	0.908	20	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 14:16	SR
205-99-2	Benzo(b)fluoranthene	4.48		mg/kg dry	0.455	0.908	20	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 14:16	SR



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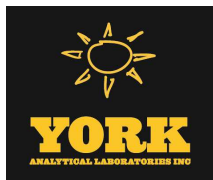
Semi-Volatiles, 8270 - Comprehensive

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
191-24-2	Benzo(g,h,i)perylene	2.89		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:14	SR
207-08-9	Benzo(k)fluoranthene	4.59		mg/kg dry	0.455	0.908	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 14:16	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:14	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:14	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:14	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:14	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:14	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:14	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:14	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0908	0.181	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:14	SR
86-74-8	Carbazole	1.19		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:14	SR
218-01-9	Chrysene	6.09		mg/kg dry	0.455	0.908	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 14:16	SR
53-70-3	Dibenzo(a,h)anthracene	1.09		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:14	SR
132-64-9	Dibenzofuran	0.576		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:14	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:14	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:14	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:14	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:14	SR
206-44-0	Fluoranthene	14.6		mg/kg dry	0.455	0.908	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 14:16	SR
86-73-7	Fluorene	1.20		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:14	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:14	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:14	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:14	SR



Sample Information

Client Sample ID: SB-7 (0'-2')

York Sample ID: 18H0563-12

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 2:15 pm

Date Received
08/13/2018

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	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:14	SR
193-39-5	Indeno(1,2,3-cd)pyrene	2.84		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:14	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:14	SR
91-20-3	Naphthalene	0.370		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:14	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:14	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:14	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:14	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:14	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:14	SR
85-01-8	Phenanthrene	12.5		mg/kg dry	0.455	0.908	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 14:16	SR
108-95-2	Phenol	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:14	SR
129-00-0	Pyrene	12.4		mg/kg dry	0.455	0.908	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 14:16	SR
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	58.7 %	20-108								
4165-62-2	Surrogate: Phenol-d5	62.5 %	23-114								
4165-60-0	Surrogate: Nitrobenzene-d5	65.9 %	22-108								
321-60-8	Surrogate: 2-Fluorobiphenyl	60.7 %	21-113								
118-79-6	Surrogate: 2,4,6-Tribromophenol	55.6 %	19-110								
1718-51-0	Surrogate: Terphenyl-d14	66.2 %	24-116								

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:38	LAB
72-55-9	4,4'-DDE	0.00241		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:38	LAB
50-29-3	4,4'-DDT	0.0114		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:38	LAB
309-00-2	Aldrin	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:38	LAB



Sample Information

Client Sample ID: SB-7 (0'-2')

York Sample ID: 18H0563-12

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
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Collection Date/Time
August 10, 2018 2:15 pm

Date Received
08/13/2018

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
319-84-6	alpha-BHC	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:38	LAB
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/15/2018 14:35	08/17/2018 14:38	LAB
319-85-7	beta-BHC	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:38	LAB
57-74-9	Chlordane, total	ND		mg/kg dry	0.0358	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:38	LAB
319-86-8	delta-BHC	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:38	LAB
60-57-1	Dieldrin	0.00381		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:38	LAB
959-98-8	Endosulfan I	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:38	LAB
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	08/15/2018 14:35	08/17/2018 14:38	LAB
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:38	LAB
72-20-8	Endrin	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:38	LAB
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:38	LAB
53494-70-5	Endrin ketone	0.00763		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:38	LAB
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:38	LAB
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/15/2018 14:35	08/17/2018 14:38	LAB
76-44-8	Heptachlor	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:38	LAB
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:38	LAB
72-43-5	Methoxychlor	ND		mg/kg dry	0.00895	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:38	LAB
8001-35-2	Toxaphene	ND		mg/kg dry	0.0906	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:38	LAB
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	45.6 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	43.8 %	30-150							

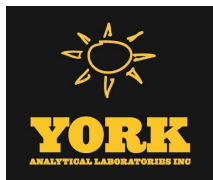
Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

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



Sample Information

Client Sample ID: SB-7 (0'-2')

York Sample ID: 18H0563-12

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 2:15 pm

Date Received
08/13/2018

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 18:53	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 18:53	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 18:53	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 18:53	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 18:53	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 18:53	LAB
11096-82-5	Aroclor 1260	0.109		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 18:53	LAB
1336-36-3	* Total PCBs	0.109		mg/kg dry	0.0181	1	EPA 8082A Certifications:	08/15/2018 14:35	08/16/2018 18:53	LAB
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	55.9 %	30-140							
2051-24-3	Surrogate: Decachlorobiphenyl	53.7 %	30-140							

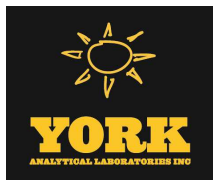
Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	8210	B	mg/kg dry	5.45	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:45	KML
7440-36-0	Antimony	1.77		mg/kg dry	0.545	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:45	KML
7440-38-2	Arsenic	6.33		mg/kg dry	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:45	KML
7440-39-3	Barium	179		mg/kg dry	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:45	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.109	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:45	KML
7440-43-9	Cadmium	0.574		mg/kg dry	0.327	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:45	KML
7440-70-2	Calcium	23200		mg/kg dry	5.45	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:45	KML
7440-47-3	Chromium	19.0		mg/kg dry	0.545	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:45	KML
7440-48-4	Cobalt	8.52		mg/kg dry	0.545	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:45	KML



Sample Information

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Client Project ID
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Matrix
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Collection Date/Time
August 10, 2018 2:15 pm

Date Received
08/13/2018

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-50-8	Copper	103		mg/kg dry	0.545	1	EPA 6010C	08/15/2018 09:08	08/20/2018 13:45	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	Iron	19600		mg/kg dry	2.18	1	EPA 6010C	08/15/2018 09:08	08/20/2018 13:45	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	Lead	358		mg/kg dry	0.545	1	EPA 6010C	08/15/2018 09:08	08/20/2018 13:45	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	Magnesium	5600		mg/kg dry	5.45	1	EPA 6010C	08/15/2018 09:08	08/20/2018 13:45	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	Manganese	299		mg/kg dry	0.545	1	EPA 6010C	08/15/2018 09:08	08/20/2018 13:45	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	Nickel	20.9		mg/kg dry	0.545	1	EPA 6010C	08/15/2018 09:08	08/20/2018 13:45	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	Potassium	2010		mg/kg dry	5.45	1	EPA 6010C	08/15/2018 09:08	08/20/2018 13:45	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	1.09	1	EPA 6010C	08/15/2018 09:08	08/20/2018 13:45	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.545	1	EPA 6010C	08/15/2018 09:08	08/20/2018 13:45	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	Sodium	572	B	mg/kg dry	10.9	1	EPA 6010C	08/15/2018 09:08	08/20/2018 13:45	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-28-0	Thallium	ND		mg/kg dry	1.09	1	EPA 6010C	08/15/2018 09:08	08/20/2018 13:45	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	Vanadium	26.4		mg/kg dry	1.09	1	EPA 6010C	08/15/2018 09:08	08/20/2018 13:45	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	Zinc	253		mg/kg dry	1.63	1	EPA 6010C	08/15/2018 09:08	08/20/2018 13:45	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	0.694		mg/kg dry	0.0327	1	EPA 7473	08/20/2018 09:08	08/20/2018 14:09	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	91.8		%	0.100	1	SM 2540G	08/17/2018 10:26	08/17/2018 16:13	TAJ
							Certifications:	CTDOH		



Sample Information

Client Sample ID: SB-7 (10'-12')

York Sample ID: 18H0563-13

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 1:40 pm

Date Received
08/13/2018

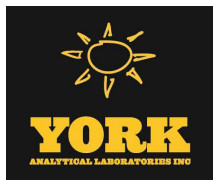
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
79-34-5	1,1,2,2-Tetrachloroethane	ND	IS-LO	mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/16/2018 12:33	08/16/2018 12:33	LL
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
87-61-6	1,2,3-Trichlorobenzene	ND	IS-LO	mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
96-18-4	1,2,3-Trichloropropane	ND	IS-LO	mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/16/2018 12:33	08/16/2018 12:33	LL
120-82-1	1,2,4-Trichlorobenzene	ND	IS-LO	mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
95-63-6	1,2,4-Trimethylbenzene	ND	IS-LO	mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
96-12-8	1,2-Dibromo-3-chloropropane	ND	IS-LO	mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
95-50-1	1,2-Dichlorobenzene	ND	IS-LO	mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
108-67-8	1,3,5-Trimethylbenzene	ND	IS-LO	mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
541-73-1	1,3-Dichlorobenzene	ND	IS-LO	mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
106-46-7	1,4-Dichlorobenzene	ND	IS-LO	mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.055	0.11	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
78-93-3	2-Butanone	0.0090		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
591-78-6	2-Hexanone	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL



Sample Information

Client Sample ID: SB-7 (10'-12')

York Sample ID: 18H0563-13

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 1:40 pm

Date Received
08/13/2018

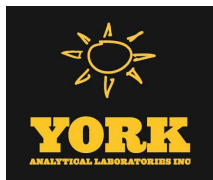
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	0.099		mg/kg dry	0.0055	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
107-02-8	Acrolein	ND		mg/kg dry	0.0055	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
71-43-2	Benzene	0.0029	J	mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
75-25-2	Bromoform	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
74-83-9	Bromomethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
75-15-0	Carbon disulfide	0.0039	J	mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
75-00-3	Chloroethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
67-66-3	Chloroform	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
74-87-3	Chloromethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
110-82-7	Cyclohexane	0.023		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
74-95-3	Dibromomethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
87-68-3	Hexachlorobutadiene	ND	IS-LO	mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
98-82-8	Isopropylbenzene	ND	IS-LO	mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL



Sample Information

Client Sample ID: SB-7 (10'-12')

York Sample ID: 18H0563-13

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 1:40 pm

Date Received
08/13/2018

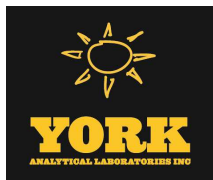
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-20-9	Methyl acetate	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
108-87-2	Methylcyclohexane	0.058		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
75-09-2	Methylene chloride	ND		mg/kg dry	0.0055	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
104-51-8	n-Butylbenzene	ND	IS-LO	mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
103-65-1	n-Propylbenzene	ND	IS-LO	mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
95-47-6	o-Xylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0055	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
99-87-6	p-Isopropyltoluene	ND	IS-LO	mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
135-98-8	sec-Butylbenzene	ND	IS-LO	mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
100-42-5	Styrene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
75-65-0	tert-Butyl alcohol (TBA)	0.010		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
98-06-6	tert-Butylbenzene	ND	IS-LO	mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
108-88-3	Toluene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
110-57-6	* trans-1,4-dichloro-2-butene	ND	IS-LO	mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH	08/16/2018 12:33	08/16/2018 12:33	LL
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 12:33	08/16/2018 12:33	LL
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0082	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/16/2018 12:33	08/16/2018 12:33	LL
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	91.3 %	77-125								



Sample Information

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York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 1:40 pm

Date Received
08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2037-26-5	Surrogate: Toluene-d8	135 %	S-08		85-120						
460-00-4	Surrogate: p-Bromofluorobenzene	129 %			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	0.0457	0.0911	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0911	0.182	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0911	0.182	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0911	0.182	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR



Sample Information

Client Sample ID: SB-7 (10'-12')

York Sample ID: 18H0563-13

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 1:40 pm

Date Received
08/13/2018

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	0.0911	0.182	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0911	0.182	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0911	0.182	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0911	0.182	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0911	0.182	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
83-32-9	Acenaphthene	0.0998		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
208-96-8	Acenaphthylene	0.0685	J	mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
62-53-3	Aniline	ND		mg/kg dry	0.182	0.365	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
120-12-7	Anthracene	0.299		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
92-87-5	Benzidine	ND		mg/kg dry	0.182	0.365	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
56-55-3	Benzo(a)anthracene	1.10		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
50-32-8	Benzo(a)pyrene	1.32		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
205-99-2	Benzo(b)fluoranthene	0.924		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR



Sample Information

Client Sample ID: SB-7 (10'-12')

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York Project (SDG) No.
18H0563

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Collection Date/Time
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Date Received
08/13/2018

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	0.653		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
207-08-9	Benzo(k)fluoranthene	0.928		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
117-81-7	Bis(2-ethylhexyl)phthalate	0.263		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0911	0.182	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
86-74-8	Carbazole	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
218-01-9	Chrysene	1.21		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
53-70-3	Dibenzo(a,h)anthracene	0.216		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
206-44-0	Fluoranthene	1.91		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
86-73-7	Fluorene	0.0845	J	mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR



Sample Information

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York Sample ID: 18H0563-13

York Project (SDG) No.
18H0563

Client Project ID
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Collection Date/Time
August 10, 2018 1:40 pm

Date Received
08/13/2018

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	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
193-39-5	Indeno(1,2,3-cd)pyrene	0.538		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
85-01-8	Phenanthrene	1.15		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
108-95-2	Phenol	ND		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
129-00-0	Pyrene	2.26		mg/kg dry	0.0457	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 02:46	SR
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	52.6 %	20-108								
4165-62-2	Surrogate: Phenol-d5	53.4 %	23-114								
4165-60-0	Surrogate: Nitrobenzene-d5	60.9 %	22-108								
321-60-8	Surrogate: 2-Fluorobiphenyl	54.6 %	21-113								
118-79-6	Surrogate: 2,4,6-Tribromophenol	43.4 %	19-110								
1718-51-0	Surrogate: Terphenyl-d14	65.1 %	24-116								

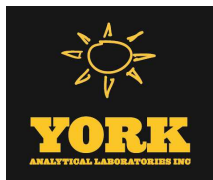
Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:23	LAB
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:23	LAB
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:23	LAB
309-00-2	Aldrin	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:23	LAB



Sample Information

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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
319-84-6	alpha-BHC	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:23	LAB
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/15/2018 14:35	08/17/2018 14:23	LAB
319-85-7	beta-BHC	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:23	LAB
57-74-9	Chlordane, total	ND		mg/kg dry	0.0358	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:23	LAB
319-86-8	delta-BHC	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:23	LAB
60-57-1	Dieldrin	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:23	LAB
959-98-8	Endosulfan I	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:23	LAB
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	08/15/2018 14:35	08/17/2018 14:23	LAB
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:23	LAB
72-20-8	Endrin	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:23	LAB
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:23	LAB
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:23	LAB
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:23	LAB
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/15/2018 14:35	08/17/2018 14:23	LAB
76-44-8	Heptachlor	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:23	LAB
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:23	LAB
72-43-5	Methoxychlor	ND		mg/kg dry	0.00896	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:23	LAB
8001-35-2	Toxaphene	ND		mg/kg dry	0.0907	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 14:23	LAB
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	39.9 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	37.2 %	30-150							

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

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



Sample Information

Client Sample ID: SB-7 (10'-12')

York Sample ID: 18H0563-13

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 1:40 pm

Date Received
08/13/2018

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 19:17	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 19:17	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 19:17	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 19:17	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 19:17	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 19:17	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 19:17	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications:	08/15/2018 14:35	08/16/2018 19:17	LAB
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	44.1 %	30-140							
2051-24-3	Surrogate: Decachlorobiphenyl	51.7 %	30-140							

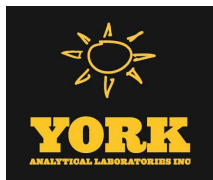
Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	7370	B	mg/kg dry	5.46	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:47	KML
7440-36-0	Antimony	4.44		mg/kg dry	0.546	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:47	KML
7440-38-2	Arsenic	6.39		mg/kg dry	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:47	KML
7440-39-3	Barium	104		mg/kg dry	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:47	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.109	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:47	KML
7440-43-9	Cadmium	0.642		mg/kg dry	0.328	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:47	KML
7440-70-2	Calcium	50400		mg/kg dry	5.46	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:47	KML
7440-47-3	Chromium	21.1		mg/kg dry	0.546	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:47	KML
7440-48-4	Cobalt	7.21		mg/kg dry	0.546	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:47	KML



Sample Information

Client Sample ID: SB-7 (10'-12')

York Sample ID: 18H0563-13

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 1:40 pm

Date Received
08/13/2018

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-50-8	Copper	98.6		mg/kg dry	0.546	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:47	KML
7439-89-6	Iron	22800		mg/kg dry	2.19	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:47	KML
7439-92-1	Lead	338		mg/kg dry	0.546	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:47	KML
7439-95-4	Magnesium	5110		mg/kg dry	5.46	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:47	KML
7439-96-5	Manganese	351		mg/kg dry	0.546	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:47	KML
7440-02-0	Nickel	17.9		mg/kg dry	0.546	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:47	KML
7440-09-7	Potassium	1620		mg/kg dry	5.46	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:47	KML
7782-49-2	Selenium	ND		mg/kg dry	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:47	KML
7440-22-4	Silver	ND		mg/kg dry	0.546	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:47	KML
7440-23-5	Sodium	462	B	mg/kg dry	10.9	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2018 09:08	08/20/2018 13:47	KML
7440-28-0	Thallium	ND		mg/kg dry	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:47	KML
7440-62-2	Vanadium	21.1		mg/kg dry	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:47	KML
7440-66-6	Zinc	210		mg/kg dry	1.64	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:47	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	0.583		mg/kg dry	0.0328	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	08/20/2018 09:08	08/20/2018 14:22	SY

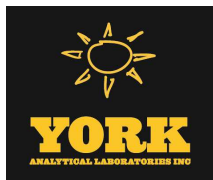
Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	91.5		%	0.100	1	SM 2540G Certifications: CTDOH	08/17/2018 10:26	08/17/2018 16:13	TAJ



Sample Information

Client Sample ID: SB-8 (0'-2')

York Sample ID: 18H0563-14

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 4:20 pm

Date Received
08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/16/2018 13:03	08/16/2018 13:03	LL
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/16/2018 13:03	08/16/2018 13:03	LL
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.055	0.11	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
78-93-3	2-Butanone	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
591-78-6	2-Hexanone	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL



Sample Information

Client Sample ID: SB-8 (0'-2')

York Sample ID: 18H0563-14

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 4:20 pm

Date Received
08/13/2018

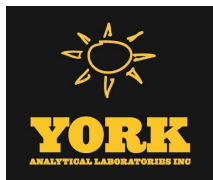
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	0.019		mg/kg dry	0.0055	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
107-02-8	Acrolein	ND		mg/kg dry	0.0055	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
71-43-2	Benzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
75-25-2	Bromoform	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
74-83-9	Bromomethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
75-00-3	Chloroethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
67-66-3	Chloroform	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
74-87-3	Chloromethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
110-82-7	Cyclohexane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
74-95-3	Dibromomethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL



Sample Information

Client Sample ID: SB-8 (0'-2')

York Sample ID: 18H0563-14

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 4:20 pm

Date Received
08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-20-9	Methyl acetate	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
75-09-2	Methylene chloride	0.0079	J	mg/kg dry	0.0055	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
95-47-6	o-Xylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0055	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
100-42-5	Styrene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
127-18-4	Tetrachloroethylene	0.014		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
108-88-3	Toluene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH	08/16/2018 13:03	08/16/2018 13:03	LL
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 13:03	08/16/2018 13:03	LL
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0082	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/16/2018 13:03	08/16/2018 13:03	LL
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	89.1 %	77-125								



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Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2037-26-5	Surrogate: Toluene-d8	106 %			85-120						
460-00-4	Surrogate: p-Bromofluorobenzene	117 %			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	0.0457	0.0912	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0912	0.182	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0912	0.182	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0912	0.182	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR



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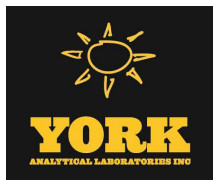
Semi-Volatiles, 8270 - Comprehensive

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
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0912	0.182	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 03:18	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 03:18	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 03:18	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications:	08/15/2018 14:39 NELAC-NY10854,NJDEP,PADEP	08/17/2018 03:18	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0912	0.182	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 03:18	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0912	0.182	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 03:18	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 03:18	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 03:18	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 03:18	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 03:18	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0912	0.182	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 03:18	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0912	0.182	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 03:18	SR
83-32-9	Acenaphthene	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 03:18	SR
208-96-8	Acenaphthylene	0.144		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 03:18	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications:	08/15/2018 14:39 NELAC-NY10854,NJDEP,PADEP	08/17/2018 03:18	SR
62-53-3	Aniline	ND		mg/kg dry	0.183	0.365	2	EPA 8270D Certifications:	08/15/2018 14:39 NELAC-NY10854,NJDEP,PADEP	08/17/2018 03:18	SR
120-12-7	Anthracene	0.174		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 03:18	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications:	08/15/2018 14:39 NELAC-NY10854,NJDEP,PADEP	08/17/2018 03:18	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications:	08/15/2018 14:39 NELAC-NY10854,NJDEP,PADEP	08/17/2018 03:18	SR
92-87-5	Benzidine	ND		mg/kg dry	0.183	0.365	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,PADEP	08/17/2018 03:18	SR
56-55-3	Benzo(a)anthracene	1.00		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 03:18	SR
50-32-8	Benzo(a)pyrene	1.11		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 03:18	SR
205-99-2	Benzo(b)fluoranthene	0.876		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/17/2018 03:18	SR



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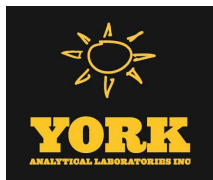
Semi-Volatiles, 8270 - Comprehensive

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
191-24-2	Benzo(g,h,i)perylene	0.543		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
207-08-9	Benzo(k)fluoranthene	0.918		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0912	0.182	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
86-74-8	Carbazole	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
218-01-9	Chrysene	0.982		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
53-70-3	Dibenzo(a,h)anthracene	0.215		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
206-44-0	Fluoranthene	1.65		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
86-73-7	Fluorene	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR



Sample Information

Client Sample ID: SB-8 (0'-2')

York Sample ID: 18H0563-14

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 4:20 pm

Date Received
08/13/2018

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	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
193-39-5	Indeno(1,2,3-cd)pyrene	0.532		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
85-01-8	Phenanthrene	0.351		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
108-95-2	Phenol	ND		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
129-00-0	Pyrene	1.56		mg/kg dry	0.0457	0.0912	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/17/2018 03:18	SR
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	62.0 %	20-108								
4165-62-2	Surrogate: Phenol-d5	64.8 %	23-114								
4165-60-0	Surrogate: Nitrobenzene-d5	80.0 %	22-108								
321-60-8	Surrogate: 2-Fluorobiphenyl	66.0 %	21-113								
118-79-6	Surrogate: 2,4,6-Tribromophenol	69.8 %	19-110								
1718-51-0	Surrogate: Terphenyl-d14	80.5 %	24-116								

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	0.0591		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 13:53	LAB
72-55-9	4,4'-DDE	0.0562		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 13:53	LAB
50-29-3	4,4'-DDT	0.179		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 13:53	LAB



Sample Information

Client Sample ID: SB-8 (0'-2')

York Sample ID: 18H0563-14

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 4:20 pm

Date Received
08/13/2018

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

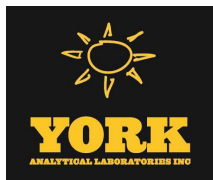
Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	0.00376		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 13:53	LAB
319-84-6	alpha-BHC	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 13:53	LAB
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/15/2018 14:35	08/17/2018 13:53	LAB
319-85-7	beta-BHC	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 13:53	LAB
57-74-9	Chlordane, total	ND		mg/kg dry	0.0360	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 13:53	LAB
319-86-8	delta-BHC	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 13:53	LAB
60-57-1	Dieldrin	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 13:53	LAB
959-98-8	Endosulfan I	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 13:53	LAB
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	08/15/2018 14:35	08/17/2018 13:53	LAB
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 13:53	LAB
72-20-8	Endrin	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 13:53	LAB
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 13:53	LAB
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 13:53	LAB
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 13:53	LAB
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/15/2018 14:35	08/17/2018 13:53	LAB
76-44-8	Heptachlor	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 13:53	LAB
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 13:53	LAB
72-43-5	Methoxychlor	ND		mg/kg dry	0.00901	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 13:53	LAB
8001-35-2	Toxaphene	ND		mg/kg dry	0.0911	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 13:53	LAB
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	40.4 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	38.8 %	30-150							

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: SB-8 (0'-2')

York Sample ID: 18H0563-14

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 4:20 pm

Date Received
08/13/2018

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 19:41	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 19:41	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 19:41	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 19:41	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 19:41	LAB
11097-69-1	Aroclor 1254	0.571		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 19:41	LAB
11096-82-5	Aroclor 1260	0.387		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 19:41	LAB
1336-36-3	* Total PCBs	0.958		mg/kg dry	0.0182	1	EPA 8082A Certifications:	08/15/2018 14:35	08/16/2018 19:41	LAB
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	46.5 %		30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	35.8 %		30-140						

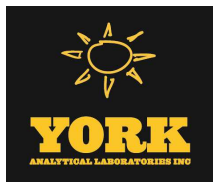
Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	11700	B	mg/kg dry	5.48	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:49	KML
7440-36-0	Antimony	1.84		mg/kg dry	0.548	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:49	KML
7440-38-2	Arsenic	6.07		mg/kg dry	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:49	KML
7440-39-3	Barium	166		mg/kg dry	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:49	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.110	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:49	KML
7440-43-9	Cadmium	0.710		mg/kg dry	0.329	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:49	KML
7440-70-2	Calcium	24000		mg/kg dry	5.48	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:49	KML
7440-47-3	Chromium	21.3		mg/kg dry	0.548	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:49	KML
7440-48-4	Cobalt	15.6		mg/kg dry	0.548	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:49	KML
7440-50-8	Copper	39.4		mg/kg dry	0.548	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:49	KML



Sample Information

Client Sample ID: SB-8 (0'-2')

York Sample ID: 18H0563-14

York Project (SDG) No.

18H0563

Client Project ID

580 Gerard Ave

Matrix

Soil

Collection Date/Time

August 10, 2018 4:20 pm

Date Received

08/13/2018

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	18400		mg/kg dry	2.19	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:49	KML
7439-92-1	Lead	225		mg/kg dry	0.548	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:49	KML
7439-95-4	Magnesium	7260		mg/kg dry	5.48	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:49	KML
7439-96-5	Manganese	834		mg/kg dry	0.548	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:49	KML
7440-02-0	Nickel	25.5		mg/kg dry	0.548	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:49	KML
7440-09-7	Potassium	2740		mg/kg dry	5.48	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:49	KML
7782-49-2	Selenium	ND		mg/kg dry	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:49	KML
7440-22-4	Silver	ND		mg/kg dry	0.548	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:49	KML
7440-23-5	Sodium	268	B	mg/kg dry	11.0	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/15/2018 09:08	08/20/2018 13:49	KML
7440-28-0	Thallium	ND		mg/kg dry	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:49	KML
7440-62-2	Vanadium	26.7		mg/kg dry	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:49	KML
7440-66-6	Zinc	554		mg/kg dry	1.65	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:49	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	1.71		mg/kg dry	0.0329	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	08/20/2018 09:08	08/20/2018 14:34	SY

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	91.2		%	0.100	1	SM 2540G Certifications: CTDOH	08/17/2018 10:26	08/17/2018 16:13	TAJ



Sample Information

Client Sample ID: SB-8 (17'-19')

York Sample ID: 18H0563-15

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 4:35 pm

Date Received
08/13/2018

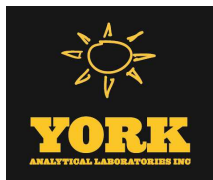
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/17/2018 11:18	08/17/2018 11:18	LL
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/17/2018 11:18	08/17/2018 11:18	LL
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.053	0.11	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
78-93-3	2-Butanone	0.0039	J	mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
591-78-6	2-Hexanone	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL



Sample Information

Client Sample ID: SB-8 (17'-19')

York Sample ID: 18H0563-15

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 4:35 pm

Date Received
08/13/2018

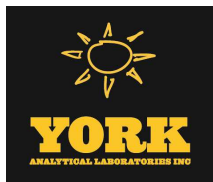
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	0.027		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
107-02-8	Acrolein	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
71-43-2	Benzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
75-25-2	Bromoform	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
74-83-9	Bromomethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
75-00-3	Chloroethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
67-66-3	Chloroform	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
74-87-3	Chloromethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
110-82-7	Cyclohexane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
74-95-3	Dibromomethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL



Sample Information

Client Sample ID: SB-8 (17'-19')

York Sample ID: 18H0563-15

York Project (SDG) No.

18H0563

Client Project ID

580 Gerard Ave

Matrix

Soil

Collection Date/Time

August 10, 2018 4:35 pm

Date Received

08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-20-9	Methyl acetate	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
75-09-2	Methylene chloride	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
95-47-6	o-Xylene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
100-42-5	Styrene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
127-18-4	Tetrachloroethylene	0.012		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
108-88-3	Toluene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH	08/17/2018 11:18	08/17/2018 11:18	LL
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 11:18	08/17/2018 11:18	LL
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0080	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/17/2018 11:18	08/17/2018 11:18	LL
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	92.3 %	77-125								



Sample Information

Client Sample ID: SB-8 (17'-19')

York Sample ID: 18H0563-15

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 4:35 pm

Date Received
08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2037-26-5	Surrogate: Toluene-d8	104 %			85-120						
460-00-4	Surrogate: p-Bromofluorobenzene	111 %			76-130						

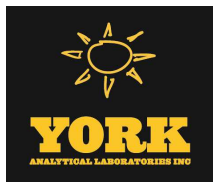
Semi-Volatiles, 8270 - Comprehensive

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	0.0444	0.0885	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0885	0.177	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0885	0.177	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0885	0.177	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR



Sample Information

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York Project (SDG) No.

18H0563

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580 Gerard Ave

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August 10, 2018 4:35 pm

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08/13/2018

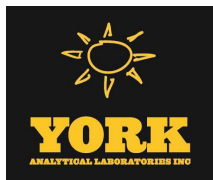
Semi-Volatiles, 8270 - Comprehensive

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	0.0885	0.177	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 11:08	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 11:08	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 11:08	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications:	08/15/2018 14:39 NELAC-NY10854,NJDEP,PADEP	08/16/2018 11:08	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0885	0.177	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 11:08	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0885	0.177	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 11:08	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 11:08	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 11:08	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 11:08	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 11:08	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0885	0.177	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 11:08	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0885	0.177	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 11:08	SR
83-32-9	Acenaphthene	0.0481	J	mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 11:08	SR
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 11:08	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications:	08/15/2018 14:39 NELAC-NY10854,NJDEP,PADEP	08/16/2018 11:08	SR
62-53-3	Aniline	ND		mg/kg dry	0.177	0.354	2	EPA 8270D Certifications:	08/15/2018 14:39 NELAC-NY10854,NJDEP,PADEP	08/16/2018 11:08	SR
120-12-7	Anthracene	0.166		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 11:08	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications:	08/15/2018 14:39 NELAC-NY10854,NJDEP,PADEP	08/16/2018 11:08	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications:	08/15/2018 14:39 NELAC-NY10854,NJDEP,PADEP	08/16/2018 11:08	SR
92-87-5	Benzidine	ND		mg/kg dry	0.177	0.354	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 11:08	SR
56-55-3	Benzo(a)anthracene	0.395		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 11:08	SR
50-32-8	Benzo(a)pyrene	0.377		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 11:08	SR
205-99-2	Benzo(b)fluoranthene	0.291		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications:	08/15/2018 14:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/16/2018 11:08	SR



Sample Information

Client Sample ID: SB-8 (17'-19')

York Sample ID: 18H0563-15

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 4:35 pm

Date Received
08/13/2018

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	0.189		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
207-08-9	Benzo(k)fluoranthene	0.310		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
117-81-7	Bis(2-ethylhexyl)phthalate	0.273		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0885	0.177	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
86-74-8	Carbazole	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
218-01-9	Chrysene	0.413		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
53-70-3	Dibenzo(a,h)anthracene	0.0637	J	mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
206-44-0	Fluoranthene	0.726		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
86-73-7	Fluorene	0.0502	J	mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR



Sample Information

Client Sample ID: SB-8 (17'-19')

York Sample ID: 18H0563-15

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 4:35 pm

Date Received
08/13/2018

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	0.0444	0.0885	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
193-39-5	Indeno(1,2,3-cd)pyrene	0.160		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
85-01-8	Phenanthrene	0.675		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
108-95-2	Phenol	ND		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
129-00-0	Pyrene	0.786		mg/kg dry	0.0444	0.0885	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:39	08/16/2018 11:08	SR
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	51.7 %	20-108								
4165-62-2	Surrogate: Phenol-d5	50.8 %	23-114								
4165-60-0	Surrogate: Nitrobenzene-d5	58.6 %	22-108								
321-60-8	Surrogate: 2-Fluorobiphenyl	56.9 %	21-113								
118-79-6	Surrogate: 2,4,6-Tribromophenol	53.4 %	19-110								
1718-51-0	Surrogate: Terphenyl-d14	78.6 %	24-116								

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 00:06	LAB
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 00:06	LAB
50-29-3	4,4'-DDT	0.00248		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 00:06	LAB
309-00-2	Aldrin	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 00:06	LAB



Sample Information

Client Sample ID: SB-8 (17'-19')

York Sample ID: 18H0563-15

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 4:35 pm

Date Received
08/13/2018

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
319-84-6	alpha-BHC	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 00:06	LAB
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/15/2018 14:35	08/17/2018 00:06	LAB
319-85-7	beta-BHC	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 00:06	LAB
57-74-9	Chlordane, total	ND		mg/kg dry	0.0349	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 00:06	LAB
319-86-8	delta-BHC	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 00:06	LAB
60-57-1	Dieldrin	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 00:06	LAB
959-98-8	Endosulfan I	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 00:06	LAB
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	08/15/2018 14:35	08/17/2018 00:06	LAB
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 00:06	LAB
72-20-8	Endrin	0.00328		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 00:06	LAB
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 00:06	LAB
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 00:06	LAB
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 00:06	LAB
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/15/2018 14:35	08/17/2018 00:06	LAB
76-44-8	Heptachlor	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 00:06	LAB
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 00:06	LAB
72-43-5	Methoxychlor	ND		mg/kg dry	0.00873	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 00:06	LAB
8001-35-2	Toxaphene	ND		mg/kg dry	0.0884	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 14:35	08/17/2018 00:06	LAB
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	58.6 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	47.0 %	30-150							

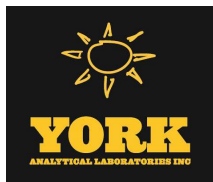
Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

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



Sample Information

Client Sample ID: SB-8 (17'-19')

York Sample ID: 18H0563-15

York Project (SDG) No.

18H0563

Client Project ID

580 Gerard Ave

Matrix

Soil

Collection Date/Time

August 10, 2018 4:35 pm

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08/13/2018

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 20:05	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 20:05	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 20:05	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 20:05	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 20:05	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 20:05	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/15/2018 14:35	08/16/2018 20:05	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications:	08/15/2018 14:35	08/16/2018 20:05	LAB
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	43.1 %	30-140							
2051-24-3	Surrogate: Decachlorobiphenyl	43.8 %	30-140							

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	12200	B	mg/kg dry	5.31	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:51	KML
7440-36-0	Antimony	2.94		mg/kg dry	0.531	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:51	KML
7440-38-2	Arsenic	13.0		mg/kg dry	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:51	KML
7440-39-3	Barium	194		mg/kg dry	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:51	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.106	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:51	KML
7440-43-9	Cadmium	5.02		mg/kg dry	0.318	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:51	KML
7440-70-2	Calcium	35800		mg/kg dry	5.31	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:51	KML
7440-47-3	Chromium	27.8		mg/kg dry	0.531	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:51	KML
7440-48-4	Cobalt	13.6		mg/kg dry	0.531	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:08	08/20/2018 13:51	KML



Sample Information

Client Sample ID: SB-8 (17'-19')

York Sample ID: 18H0563-15

York Project (SDG) No.
18H0563

Client Project ID
580 Gerard Ave

Matrix
Soil

Collection Date/Time
August 10, 2018 4:35 pm

Date Received
08/13/2018

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-50-8	Copper	81.2		mg/kg dry	0.531	1	EPA 6010C	08/15/2018 09:08	08/20/2018 13:51	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	Iron	29000		mg/kg dry	2.12	1	EPA 6010C	08/15/2018 09:08	08/20/2018 13:51	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	Lead	273		mg/kg dry	0.531	1	EPA 6010C	08/15/2018 09:08	08/20/2018 13:51	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	Magnesium	7230		mg/kg dry	5.31	1	EPA 6010C	08/15/2018 09:08	08/20/2018 13:51	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	Manganese	393		mg/kg dry	0.531	1	EPA 6010C	08/15/2018 09:08	08/20/2018 13:51	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	Nickel	27.6		mg/kg dry	0.531	1	EPA 6010C	08/15/2018 09:08	08/20/2018 13:51	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	Potassium	4510		mg/kg dry	5.31	1	EPA 6010C	08/15/2018 09:08	08/20/2018 13:51	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	1.06	1	EPA 6010C	08/15/2018 09:08	08/20/2018 13:51	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.531	1	EPA 6010C	08/15/2018 09:08	08/20/2018 13:51	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	Sodium	435	B	mg/kg dry	10.6	1	EPA 6010C	08/15/2018 09:08	08/20/2018 13:51	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-28-0	Thallium	ND		mg/kg dry	1.06	1	EPA 6010C	08/15/2018 09:08	08/20/2018 13:51	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	Vanadium	31.2		mg/kg dry	1.06	1	EPA 6010C	08/15/2018 09:08	08/20/2018 13:51	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	Zinc	2110		mg/kg dry	1.59	1	EPA 6010C	08/15/2018 09:08	08/20/2018 13:51	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.780		mg/kg dry	0.0318	1	EPA 7473	08/20/2018 09:08	08/20/2018 14:46	SY
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	94.2		%	0.100	1	SM 2540G	08/17/2018 10:26	08/17/2018 16:13	TAJ
							Certifications:	CTDOH		



Analytical Batch Summary

Batch ID: BH80723

Preparation Method: EPA 3050B

Prepared By: BML

YORK Sample ID	Client Sample ID	Preparation Date
18H0563-01	SB-1 (0'-2')	08/15/18
18H0563-02	SB-1 (21'-23')	08/15/18
18H0563-03	SB-2 (0'-2')	08/15/18
18H0563-04	SB-2 (21'-23')	08/15/18
18H0563-05	SB-3 (0'-2')	08/15/18
18H0563-06	SB-4 (0'-2')	08/15/18
18H0563-07	SB-4 (17'-19')	08/15/18
18H0563-08	SB-5 (0'-2')	08/15/18
BH80723-BLK1	Blank	08/15/18
BH80723-SRM1	Reference	08/15/18

Batch ID: BH80724

Preparation Method: EPA 3050B

Prepared By: BML

YORK Sample ID	Client Sample ID	Preparation Date
18H0563-09	SB-5 (10'-12')	08/15/18
18H0563-10	SB-6 (0'-2')	08/15/18
18H0563-11	SB-6 (10'-12')	08/15/18
18H0563-12	SB-7 (0'-2')	08/15/18
18H0563-13	SB-7 (10'-12')	08/15/18
18H0563-14	SB-8 (0'-2')	08/15/18
18H0563-15	SB-8 (17'-19')	08/15/18
BH80724-BLK1	Blank	08/15/18
BH80724-SRM1	Reference	08/15/18

Batch ID: BH80762

Preparation Method: EPA 3550C

Prepared By: MAT

YORK Sample ID	Client Sample ID	Preparation Date
18H0563-01	SB-1 (0'-2')	08/15/18
18H0563-01	SB-1 (0'-2')	08/15/18
18H0563-02	SB-1 (21'-23')	08/15/18
18H0563-02	SB-1 (21'-23')	08/15/18
18H0563-03	SB-2 (0'-2')	08/15/18
18H0563-03	SB-2 (0'-2')	08/15/18
18H0563-04	SB-2 (21'-23')	08/15/18
18H0563-04	SB-2 (21'-23')	08/15/18
18H0563-05	SB-3 (0'-2')	08/15/18
18H0563-05	SB-3 (0'-2')	08/15/18
18H0563-06	SB-4 (0'-2')	08/15/18
18H0563-06	SB-4 (0'-2')	08/15/18
18H0563-07	SB-4 (17'-19')	08/15/18
18H0563-07	SB-4 (17'-19')	08/15/18
18H0563-08	SB-5 (0'-2')	08/15/18
18H0563-08	SB-5 (0'-2')	08/15/18
18H0563-09	SB-5 (10'-12')	08/15/18
18H0563-09	SB-5 (10'-12')	08/15/18



18H0563-10	SB-6 (0'-2')	08/15/18
18H0563-10	SB-6 (0'-2')	08/15/18
18H0563-11	SB-6 (10'-12')	08/15/18
18H0563-11	SB-6 (10'-12')	08/15/18
18H0563-12	SB-7 (0'-2')	08/15/18
18H0563-12	SB-7 (0'-2')	08/15/18
18H0563-13	SB-7 (10'-12')	08/15/18
18H0563-13	SB-7 (10'-12')	08/15/18
18H0563-14	SB-8 (0'-2')	08/15/18
18H0563-14	SB-8 (0'-2')	08/15/18
18H0563-15	SB-8 (17'-19')	08/15/18
18H0563-15	SB-8 (17'-19')	08/15/18
BH80762-BLK1	Blank	08/15/18
BH80762-BLK2	Blank	08/15/18
BH80762-BS1	LCS	08/15/18
BH80762-BS2	LCS	08/15/18

Batch ID: BH80763 **Preparation Method:** EPA 3550C **Prepared By:** AB

YORK Sample ID	Client Sample ID	Preparation Date
18H0563-12	SB-7 (0'-2')	08/15/18
18H0563-12RE1	SB-7 (0'-2')	08/15/18
18H0563-13	SB-7 (10'-12')	08/15/18
18H0563-14	SB-8 (0'-2')	08/15/18
18H0563-15	SB-8 (17'-19')	08/15/18
BH80763-BLK1	Blank	08/15/18
BH80763-BS1	LCS	08/15/18
BH80763-MS1	Matrix Spike	08/15/18
BH80763-MSD1	Matrix Spike Dup	08/15/18

Batch ID: BH80799 **Preparation Method:** EPA 3550C **Prepared By:** SGM

YORK Sample ID	Client Sample ID	Preparation Date
18H0563-01	SB-1 (0'-2')	08/16/18
18H0563-02	SB-1 (21'-23')	08/16/18
18H0563-03	SB-2 (0'-2')	08/16/18
18H0563-04	SB-2 (21'-23')	08/16/18
18H0563-05	SB-3 (0'-2')	08/16/18
18H0563-06	SB-4 (0'-2')	08/16/18
18H0563-07	SB-4 (17'-19')	08/16/18
18H0563-08	SB-5 (0'-2')	08/16/18
18H0563-09	SB-5 (10'-12')	08/16/18
18H0563-10	SB-6 (0'-2')	08/16/18
18H0563-11	SB-6 (10'-12')	08/16/18
BH80799-BLK1	Blank	08/16/18
BH80799-BS1	LCS	08/16/18
BH80799-MS1	Matrix Spike	08/16/18
BH80799-MSD1	Matrix Spike Dup	08/16/18

Batch ID: BH80889 **Preparation Method:** % Solids Prep **Prepared By:** TAJ



YORK Sample ID	Client Sample ID	Preparation Date
18H0563-01	SB-1 (0'-2')	08/17/18
18H0563-02	SB-1 (21'-23')	08/17/18
18H0563-03	SB-2 (0'-2')	08/17/18
18H0563-04	SB-2 (21'-23')	08/17/18
18H0563-05	SB-3 (0'-2')	08/17/18
18H0563-06	SB-4 (0'-2')	08/17/18
18H0563-07	SB-4 (17'-19')	08/17/18
18H0563-08	SB-5 (0'-2')	08/17/18
18H0563-09	SB-5 (10'-12')	08/17/18
18H0563-10	SB-6 (0'-2')	08/17/18
18H0563-11	SB-6 (10'-12')	08/17/18
18H0563-12	SB-7 (0'-2')	08/17/18
18H0563-13	SB-7 (10'-12')	08/17/18
18H0563-14	SB-8 (0'-2')	08/17/18
18H0563-15	SB-8 (17'-19')	08/17/18

Batch ID: BH80900

Preparation Method: EPA 5035A

Prepared By: LDS

YORK Sample ID	Client Sample ID	Preparation Date
18H0563-01	SB-1 (0'-2')	08/16/18
18H0563-02	SB-1 (21'-23')	08/16/18
18H0563-03	SB-2 (0'-2')	08/16/18
18H0563-04	SB-2 (21'-23')	08/16/18
18H0563-05	SB-3 (0'-2')	08/16/18
18H0563-06	SB-4 (0'-2')	08/16/18
18H0563-07	SB-4 (17'-19')	08/16/18
18H0563-08	SB-5 (0'-2')	08/16/18
18H0563-09	SB-5 (10'-12')	08/16/18
18H0563-10	SB-6 (0'-2')	08/16/18
18H0563-11	SB-6 (10'-12')	08/16/18
18H0563-12	SB-7 (0'-2')	08/16/18
18H0563-13	SB-7 (10'-12')	08/16/18
18H0563-14	SB-8 (0'-2')	08/16/18
BH80900-BLK1	Blank	08/16/18
BH80900-BS1	LCS	08/16/18
BH80900-BSD1	LCS Dup	08/16/18

Batch ID: BH80935

Preparation Method: EPA 7473 soil

Prepared By: KML

YORK Sample ID	Client Sample ID	Preparation Date
18H0563-01	SB-1 (0'-2')	08/20/18
18H0563-02	SB-1 (21'-23')	08/20/18
18H0563-03	SB-2 (0'-2')	08/20/18
18H0563-04	SB-2 (21'-23')	08/20/18
18H0563-05	SB-3 (0'-2')	08/20/18
18H0563-06	SB-4 (0'-2')	08/20/18
18H0563-07	SB-4 (17'-19')	08/20/18
18H0563-08	SB-5 (0'-2')	08/20/18
18H0563-09	SB-5 (10'-12')	08/20/18
18H0563-10	SB-6 (0'-2')	08/20/18



18H0563-11	SB-6 (10'-12')	08/20/18
18H0563-12	SB-7 (0'-2')	08/20/18
18H0563-13	SB-7 (10'-12')	08/20/18
18H0563-14	SB-8 (0'-2')	08/20/18
18H0563-15	SB-8 (17'-19')	08/20/18
BH80935-BLK1	Blank	08/20/18
BH80935-SRM1	Reference	08/20/18

Batch ID: BH80979

Preparation Method: EPA 5035A

Prepared By: LDS

YORK Sample ID	Client Sample ID	Preparation Date
18H0563-15	SB-8 (17'-19')	08/17/18
BH80979-BLK1	Blank	08/17/18
BH80979-BS1	LCS	08/17/18
BH80979-BSD1	LCS Dup	08/17/18



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 BH80900 - EPA 5035A											
Blank (BH80900-BLK1)										Prepared & Analyzed: 08/16/2018	
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	"								
1,2,3-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	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	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	"								
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	"								
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	"								



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 BH80900 - EPA 5035A

Blank (BH80900-BLK1)

Prepared & Analyzed: 08/16/2018

n-Butylbenzene	ND	0.0050	mg/kg wet
n-Propylbenzene	ND	0.0050	"
o-Xylene	ND	0.0050	"
p- & m- Xylenes	ND	0.010	"
p-Isopropyltoluene	ND	0.0050	"
sec-Butylbenzene	ND	0.0050	"
Styrene	ND	0.0050	"
tert-Butyl alcohol (TBA)	ND	0.0050	"
tert-Butylbenzene	ND	0.0050	"
Tetrachloroethylene	ND	0.0050	"
Toluene	ND	0.0050	"
trans-1,2-Dichloroethylene	ND	0.0050	"
trans-1,3-Dichloropropylene	ND	0.0050	"
trans-1,4-dichloro-2-butene	ND	0.0050	"
Trichloroethylene	ND	0.0050	"
Trichlorofluoromethane	ND	0.0050	"
Vinyl Chloride	ND	0.0050	"
Xylenes, Total	ND	0.015	"

Surrogate: 1,2-Dichloroethane-d4	41.2	ug/L	50.0	82.5	77-125
Surrogate: Toluene-d8	48.9	"	50.0	97.8	85-120
Surrogate: p-Bromofluorobenzene	52.5	"	50.0	105	76-130

LCS (BH80900-BS1)

Prepared & Analyzed: 08/16/2018

1,1,1,2-Tetrachloroethane	52	ug/L	50.0	105	75-129
1,1,1-Trichloroethane	45	"	50.0	90.4	71-137
1,1,2,2-Tetrachloroethane	57	"	50.0	115	79-129
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	42	"	50.0	84.7	58-146
1,1,2-Trichloroethane	50	"	50.0	101	83-123
1,1-Dichloroethane	45	"	50.0	90.3	75-130
1,1-Dichloroethylene	41	"	50.0	82.3	64-137
1,2,3-Trichlorobenzene	57	"	50.0	113	81-140
1,2,3-Trichloropropane	56	"	50.0	112	81-126
1,2,4-Trichlorobenzene	57	"	50.0	115	80-141
1,2,4-Trimethylbenzene	55	"	50.0	110	84-125
1,2-Dibromo-3-chloropropane	58	"	50.0	117	74-142
1,2-Dibromoethane	53	"	50.0	105	86-123
1,2-Dichlorobenzene	53	"	50.0	106	85-122
1,2-Dichloroethane	41	"	50.0	81.4	71-133
1,2-Dichloropropane	50	"	50.0	100	81-122
1,3,5-Trimethylbenzene	54	"	50.0	108	82-126
1,3-Dichlorobenzene	54	"	50.0	108	84-124
1,4-Dichlorobenzene	55	"	50.0	109	84-124
1,4-Dioxane	370	"	1050	35.6	10-228
2-Butanone	48	"	50.0	95.6	58-147
2-Hexanone	50	"	50.0	99.3	70-139
4-Methyl-2-pentanone	36	"	50.0	72.4	72-132
Acetone	32	"	50.0	63.6	36-155
Acrolein	30	"	50.0	59.4	10-238
Acrylonitrile	45	"	50.0	89.3	66-141
Benzene	47	"	50.0	93.6	77-127
Bromochloromethane	46	"	50.0	91.6	74-129



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 BH80900 - EPA 5035A											
LCS (BH80900-BS1)						Prepared & Analyzed: 08/16/2018					
Bromodichloromethane	50		ug/L	50.0		99.6	81-124				
Bromoform	58		"	50.0		116	80-136				
Bromomethane	23		"	50.0		45.2	32-177				
Carbon disulfide	43		"	50.0		85.1	10-136				
Carbon tetrachloride	46		"	50.0		92.4	66-143				
Chlorobenzene	50		"	50.0		100	86-120				
Chloroethane	23		"	50.0		46.8	51-142	Low Bias			
Chloroform	45		"	50.0		90.6	76-131				
Chloromethane	27		"	50.0		53.1	49-132				
cis-1,2-Dichloroethylene	45		"	50.0		90.7	74-132				
cis-1,3-Dichloropropylene	52		"	50.0		104	81-129				
Cyclohexane	40		"	50.0		79.8	70-130				
Dibromochloromethane	51		"	50.0		102	10-200				
Dibromomethane	48		"	50.0		95.7	83-124				
Dichlorodifluoromethane	54		"	50.0		108	28-158				
Ethyl Benzene	50		"	50.0		100	84-125				
Hexachlorobutadiene	56		"	50.0		111	83-133				
Isopropylbenzene	54		"	50.0		109	81-127				
Methyl acetate	40		"	50.0		80.6	41-143				
Methyl tert-butyl ether (MTBE)	43		"	50.0		86.8	74-131				
Methylcyclohexane	50		"	50.0		100	70-130				
Methylene chloride	42		"	50.0		84.2	57-141				
n-Butylbenzene	52		"	50.0		105	80-130				
n-Propylbenzene	55		"	50.0		109	74-136				
o-Xylene	49		"	50.0		97.6	83-123				
p- & m- Xylenes	94		"	100		93.6	82-128				
p-Isopropyltoluene	55		"	50.0		110	85-125				
sec-Butylbenzene	57		"	50.0		114	83-125				
Styrene	48		"	50.0		96.8	86-126				
tert-Butyl alcohol (TBA)	190		"	250		77.3	70-130				
tert-Butylbenzene	49		"	50.0		98.6	80-127				
Tetrachloroethylene	39		"	50.0		78.0	80-129	Low Bias			
Toluene	49		"	50.0		97.6	85-121				
trans-1,2-Dichloroethylene	43		"	50.0		86.0	72-132				
trans-1,3-Dichloropropylene	51		"	50.0		101	78-132				
trans-1,4-dichloro-2-butene	57		"	50.0		115	75-135				
Trichloroethylene	51		"	50.0		103	84-123				
Trichlorofluoromethane	24		"	50.0		48.1	62-140	Low Bias			
Vinyl Chloride	25		"	50.0		49.9	52-130	Low Bias			
Surrogate: 1,2-Dichloroethane-d4	42.8		"	50.0		85.7	77-125				
Surrogate: Toluene-d8	48.9		"	50.0		97.7	85-120				
Surrogate: p-Bromofluorobenzene	55.5		"	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 BH80900 - EPA 5035A											
LCS Dup (BH80900-BSD1)						Prepared & Analyzed: 08/16/2018					
1,1,1,2-Tetrachloroethane	50		ug/L	50.0		100	75-129		4.46	30	
1,1,1-Trichloroethane	44		"	50.0		87.4	71-137		3.37	30	
1,1,2,2-Tetrachloroethane	55		"	50.0		109	79-129		5.11	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	39		"	50.0		77.1	58-146		9.40	30	
1,1,2-Trichloroethane	49		"	50.0		97.9	83-123		3.06	30	
1,1-Dichloroethane	43		"	50.0		85.8	75-130		5.02	30	
1,1-Dichloroethylene	38		"	50.0		76.1	64-137		7.83	30	
1,2,3-Trichlorobenzene	53		"	50.0		107	81-140		6.07	30	
1,2,3-Trichloropropane	54		"	50.0		108	81-126		4.18	30	
1,2,4-Trichlorobenzene	53		"	50.0		106	80-141		8.30	30	
1,2,4-Trimethylbenzene	51		"	50.0		102	84-125		7.43	30	
1,2-Dibromo-3-chloropropane	57		"	50.0		114	74-142		2.20	30	
1,2-Dibromoethane	51		"	50.0		102	86-123		2.96	30	
1,2-Dichlorobenzene	50		"	50.0		99.2	85-122		6.55	30	
1,2-Dichloroethane	41		"	50.0		81.4	71-133		0.0737	30	
1,2-Dichloropropane	47		"	50.0		93.8	81-122		6.54	30	
1,3,5-Trimethylbenzene	50		"	50.0		101	82-126		6.59	30	
1,3-Dichlorobenzene	51		"	50.0		102	84-124		5.42	30	
1,4-Dichlorobenzene	52		"	50.0		104	84-124		5.27	30	
1,4-Dioxane	360		"	1050		33.8	10-228		5.23	30	
2-Butanone	48		"	50.0		95.7	58-147		0.146	30	
2-Hexanone	50		"	50.0		100	70-139		0.883	30	
4-Methyl-2-pentanone	36		"	50.0		71.4	72-132	Low Bias	1.34	30	
Acetone	34		"	50.0		68.8	36-155		7.79	30	
Acrolein	28		"	50.0		56.1	10-238		5.82	30	
Acrylonitrile	45		"	50.0		89.6	66-141		0.380	30	
Benzene	45		"	50.0		90.3	77-127		3.57	30	
Bromochloromethane	44		"	50.0		88.1	74-129		3.96	30	
Bromodichloromethane	48		"	50.0		95.1	81-124		4.58	30	
Bromoform	55		"	50.0		110	80-136		4.89	30	
Bromomethane	24		"	50.0		47.8	32-177		5.42	30	
Carbon disulfide	41		"	50.0		81.8	10-136		3.95	30	
Carbon tetrachloride	44		"	50.0		87.2	66-143		5.79	30	
Chlorobenzene	48		"	50.0		96.3	86-120		3.99	30	
Chloroethane	23		"	50.0		45.5	51-142	Low Bias	2.78	30	
Chloroform	44		"	50.0		88.2	76-131		2.71	30	
Chloromethane	26		"	50.0		51.8	49-132		2.40	30	
cis-1,2-Dichloroethylene	44		"	50.0		87.9	74-132		3.16	30	
cis-1,3-Dichloropropylene	50		"	50.0		100	81-129		3.65	30	
Cyclohexane	38		"	50.0		76.2	70-130		4.64	30	
Dibromochloromethane	50		"	50.0		100	10-200		1.70	30	
Dibromomethane	46		"	50.0		91.6	83-124		4.36	30	
Dichlorodifluoromethane	51		"	50.0		102	28-158		5.13	30	
Ethyl Benzene	48		"	50.0		95.9	84-125		4.53	30	
Hexachlorobutadiene	50		"	50.0		101	83-133		9.86	30	
Isopropylbenzene	51		"	50.0		102	81-127		6.30	30	
Methyl acetate	42		"	50.0		83.0	41-143		2.96	30	
Methyl tert-butyl ether (MTBE)	42		"	50.0		84.8	74-131		2.31	30	
Methylcyclohexane	48		"	50.0		95.1	70-130		5.36	30	
Methylene chloride	41		"	50.0		82.9	57-141		1.56	30	
n-Butylbenzene	49		"	50.0		97.4	80-130		7.47	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 BH80900 - EPA 5035A

LCS Dup (BH80900-BSD1)

Prepared & Analyzed: 08/16/2018

n-Propylbenzene	51		ug/L	50.0		101	74-136		7.47	30	
o-Xylene	47		"	50.0		94.0	83-123		3.76	30	
p- & m- Xylenes	91		"	100		90.7	82-128		3.16	30	
p-Isopropyltoluene	51		"	50.0		103	85-125		7.02	30	
sec-Butylbenzene	54		"	50.0		107	83-125		6.04	30	
Styrene	47		"	50.0		93.9	86-126		3.04	30	
tert-Butyl alcohol (TBA)	200		"	250		79.9	70-130		3.33	30	
tert-Butylbenzene	45		"	50.0		90.5	80-127		8.59	30	
Tetrachloroethylene	36		"	50.0		72.8	80-129	Low Bias	6.90	30	
Toluene	47		"	50.0		93.5	85-121		4.29	30	
trans-1,2-Dichloroethylene	41		"	50.0		81.8	72-132		5.03	30	
trans-1,3-Dichloropropylene	49		"	50.0		98.2	78-132		3.22	30	
trans-1,4-dichloro-2-butene	55		"	50.0		110	75-135		4.10	30	
Trichloroethylene	48		"	50.0		96.8	84-123		6.05	30	
Trichlorofluoromethane	23		"	50.0		46.3	62-140	Low Bias	3.82	30	
Vinyl Chloride	24		"	50.0		48.7	52-130	Low Bias	2.39	30	
Surrogate: 1,2-Dichloroethane-d4	42.8		"	50.0		85.5	77-125				
Surrogate: Toluene-d8	48.8		"	50.0		97.5	85-120				
Surrogate: p-Bromofluorobenzene	53.6		"	50.0		107	76-130				

Batch BH80979 - EPA 5035A

Blank (BH80979-BLK1)

Prepared & Analyzed: 08/17/2018

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	"
1,2,3-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	"
1,4-Dichlorobenzene	ND	0.0050	"
1,4-Dioxane	ND	0.10	"
2-Butanone	ND	0.0050	"
2-Hexanone	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	"
Bromochloromethane	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

Batch BH80979 - EPA 5035A

Blank (BH80979-BLK1)

Prepared & Analyzed: 08/17/2018

Bromodichloromethane	ND	0.0050	mg/kg wet								
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	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
trans-1,4-dichloro-2-butene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: 1,2-Dichloroethane-d4	43.9		ug/L	50.0		87.8	77-125				
Surrogate: Toluene-d8	49.2		"	50.0		98.4	85-120				
Surrogate: p-Bromofluorobenzene	51.8		"	50.0		104	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH80979 - EPA 5035A											
LCS (BH80979-BS1)						Prepared & Analyzed: 08/17/2018					
1,1,1,2-Tetrachloroethane	55		ug/L	50.0		109	75-129				
1,1,1-Trichloroethane	50		"	50.0		99.3	71-137				
1,1,2,2-Tetrachloroethane	58		"	50.0		117	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	47		"	50.0		93.4	58-146				
1,1,2-Trichloroethane	53		"	50.0		107	83-123				
1,1-Dichloroethane	51		"	50.0		101	75-130				
1,1-Dichloroethylene	46		"	50.0		91.7	64-137				
1,2,3-Trichlorobenzene	59		"	50.0		117	81-140				
1,2,3-Trichloropropane	58		"	50.0		116	81-126				
1,2,4-Trichlorobenzene	57		"	50.0		114	80-141				
1,2,4-Trimethylbenzene	55		"	50.0		111	84-125				
1,2-Dibromo-3-chloropropane	61		"	50.0		121	74-142				
1,2-Dibromoethane	55		"	50.0		109	86-123				
1,2-Dichlorobenzene	54		"	50.0		107	85-122				
1,2-Dichloroethane	46		"	50.0		92.4	71-133				
1,2-Dichloropropane	53		"	50.0		106	81-122				
1,3,5-Trimethylbenzene	54		"	50.0		107	82-126				
1,3-Dichlorobenzene	54		"	50.0		108	84-124				
1,4-Dichlorobenzene	55		"	50.0		111	84-124				
1,4-Dioxane	400		"	1050		38.2	10-228				
2-Butanone	56		"	50.0		113	58-147				
2-Hexanone	53		"	50.0		107	70-139				
4-Methyl-2-pentanone	38		"	50.0		76.4	72-132				
Acetone	42		"	50.0		84.7	36-155				
Acrolein	32		"	50.0		63.1	10-238				
Acrylonitrile	56		"	50.0		112	66-141				
Benzene	51		"	50.0		102	77-127				
Bromochloromethane	52		"	50.0		104	74-129				
Bromodichloromethane	53		"	50.0		105	81-124				
Bromoform	62		"	50.0		123	80-136				
Bromomethane	25		"	50.0		50.7	32-177				
Carbon disulfide	48		"	50.0		96.6	10-136				
Carbon tetrachloride	49		"	50.0		98.8	66-143				
Chlorobenzene	51		"	50.0		103	86-120				
Chloroethane	27		"	50.0		53.4	51-142				
Chloroform	51		"	50.0		102	76-131				
Chloromethane	30		"	50.0		60.5	49-132				
cis-1,2-Dichloroethylene	51		"	50.0		103	74-132				
cis-1,3-Dichloropropylene	53		"	50.0		105	81-129				
Cyclohexane	44		"	50.0		87.7	70-130				
Dibromochloromethane	54		"	50.0		109	10-200				
Dibromomethane	52		"	50.0		104	83-124				
Dichlorodifluoromethane	57		"	50.0		114	28-158				
Ethyl Benzene	51		"	50.0		103	84-125				
Hexachlorobutadiene	56		"	50.0		112	83-133				
Isopropylbenzene	54		"	50.0		109	81-127				
Methyl acetate	53		"	50.0		105	41-143				
Methyl tert-butyl ether (MTBE)	50		"	50.0		99.1	74-131				
Methylcyclohexane	52		"	50.0		104	70-130				
Methylene chloride	49		"	50.0		97.6	57-141				
n-Butylbenzene	52		"	50.0		103	80-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH80979 - EPA 5035A											
LCS (BH80979-BS1)						Prepared & Analyzed: 08/17/2018					
n-Propylbenzene	54		ug/L	50.0		108	74-136				
o-Xylene	51		"	50.0		101	83-123				
p- & m- Xylenes	97		"	100		96.9	82-128				
p-Isopropyltoluene	55		"	50.0		109	85-125				
sec-Butylbenzene	58		"	50.0		116	83-125				
Styrene	50		"	50.0		101	86-126				
tert-Butyl alcohol (TBA)	240		"	250		95.0	70-130				
tert-Butylbenzene	50		"	50.0		99.5	80-127				
Tetrachloroethylene	39		"	50.0		77.6	80-129	Low Bias			
Toluene	51		"	50.0		102	85-121				
trans-1,2-Dichloroethylene	48		"	50.0		95.9	72-132				
trans-1,3-Dichloropropylene	51		"	50.0		102	78-132				
trans-1,4-dichloro-2-butene	56		"	50.0		111	75-135				
Trichloroethylene	53		"	50.0		107	84-123				
Trichlorofluoromethane	26		"	50.0		51.9	62-140	Low Bias			
Vinyl Chloride	30		"	50.0		59.1	52-130				
Surrogate: 1,2-Dichloroethane-d4	43.9		"	50.0		87.8	77-125				
Surrogate: Toluene-d8	48.6		"	50.0		97.3	85-120				
Surrogate: p-Bromofluorobenzene	52.6		"	50.0		105	76-130				
LCS Dup (BH80979-BSD1)						Prepared & Analyzed: 08/17/2018					
1,1,1,2-Tetrachloroethane	54		ug/L	50.0		108	75-129		1.66	30	
1,1,1-Trichloroethane	49		"	50.0		97.8	71-137		1.46	30	
1,1,2,2-Tetrachloroethane	59		"	50.0		117	79-129		0.274	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	45		"	50.0		90.9	58-146		2.65	30	
1,1,2-Trichloroethane	52		"	50.0		104	83-123		3.19	30	
1,1-Dichloroethane	49		"	50.0		98.0	75-130		3.03	30	
1,1-Dichloroethylene	44		"	50.0		88.6	64-137		3.44	30	
1,2,3-Trichlorobenzene	55		"	50.0		110	81-140		6.20	30	
1,2,3-Trichloropropane	58		"	50.0		117	81-126		0.946	30	
1,2,4-Trichlorobenzene	52		"	50.0		103	80-141		9.45	30	
1,2,4-Trimethylbenzene	54		"	50.0		108	84-125		2.34	30	
1,2-Dibromo-3-chloropropane	57		"	50.0		114	74-142		6.18	30	
1,2-Dibromoethane	53		"	50.0		107	86-123		1.98	30	
1,2-Dichlorobenzene	52		"	50.0		104	85-122		2.89	30	
1,2-Dichloroethane	44		"	50.0		88.7	71-133		4.11	30	
1,2-Dichloropropane	52		"	50.0		104	81-122		1.03	30	
1,3,5-Trimethylbenzene	53		"	50.0		105	82-126		2.15	30	
1,3-Dichlorobenzene	53		"	50.0		105	84-124		2.87	30	
1,4-Dichlorobenzene	53		"	50.0		106	84-124		4.77	30	
1,4-Dioxane	360		"	1050		33.8	10-228		12.1	30	
2-Butanone	54		"	50.0		108	58-147		4.17	30	
2-Hexanone	51		"	50.0		102	70-139		4.84	30	
4-Methyl-2-pentanone	37		"	50.0		73.3	72-132		4.11	30	
Acetone	43		"	50.0		86.4	36-155		2.01	30	
Acrolein	27		"	50.0		54.8	10-238		14.1	30	
Acrylonitrile	50		"	50.0		99.8	66-141		11.9	30	
Benzene	50		"	50.0		100	77-127		1.92	30	
Bromochloromethane	50		"	50.0		101	74-129		2.68	30	
Bromodichloromethane	52		"	50.0		104	81-124		0.934	30	
Bromoform	59		"	50.0		118	80-136		4.24	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 BH80979 - EPA 5035A

LCS Dup (BH80979-BSD1)

Prepared & Analyzed: 08/17/2018

Bromomethane	23		ug/L	50.0		46.5	32-177		8.68	30	
Carbon disulfide	48		"	50.0		95.1	10-136		1.56	30	
Carbon tetrachloride	49		"	50.0		97.1	66-143		1.74	30	
Chlorobenzene	50		"	50.0		101	86-120		1.89	30	
Chloroethane	27		"	50.0		54.8	51-142		2.48	30	
Chloroform	49		"	50.0		97.1	76-131		4.67	30	
Chloromethane	30		"	50.0		59.4	49-132		1.94	30	
cis-1,2-Dichloroethylene	50		"	50.0		101	74-132		2.24	30	
cis-1,3-Dichloropropylene	51		"	50.0		102	81-129		2.82	30	
Cyclohexane	43		"	50.0		85.7	70-130		2.28	30	
Dibromochloromethane	53		"	50.0		107	10-200		1.69	30	
Dibromomethane	51		"	50.0		102	83-124		1.05	30	
Dichlorodifluoromethane	56		"	50.0		112	28-158		2.00	30	
Ethyl Benzene	51		"	50.0		102	84-125		0.156	30	
Hexachlorobutadiene	56		"	50.0		112	83-133		0.161	30	
Isopropylbenzene	55		"	50.0		109	81-127		0.110	30	
Methyl acetate	49		"	50.0		98.4	41-143		6.63	30	
Methyl tert-butyl ether (MTBE)	47		"	50.0		94.7	74-131		4.50	30	
Methylcyclohexane	52		"	50.0		104	70-130		0.0959	30	
Methylene chloride	49		"	50.0		98.8	57-141		1.20	30	
n-Butylbenzene	50		"	50.0		99.6	80-130		3.69	30	
n-Propylbenzene	54		"	50.0		107	74-136		1.02	30	
o-Xylene	50		"	50.0		99.6	83-123		1.53	30	
p- & m- Xylenes	96		"	100		96.0	82-128		0.943	30	
p-Isopropyltoluene	54		"	50.0		108	85-125		0.900	30	
sec-Butylbenzene	58		"	50.0		115	83-125		0.778	30	
Styrene	49		"	50.0		98.7	86-126		1.97	30	
tert-Butyl alcohol (TBA)	230		"	250		92.2	70-130		3.07	30	
tert-Butylbenzene	50		"	50.0		100	80-127		0.481	30	
Tetrachloroethylene	38		"	50.0		76.7	80-129	Low Bias	1.22	30	
Toluene	51		"	50.0		101	85-121		0.551	30	
trans-1,2-Dichloroethylene	47		"	50.0		93.6	72-132		2.36	30	
trans-1,3-Dichloropropylene	50		"	50.0		101	78-132		1.67	30	
trans-1,4-dichloro-2-butene	55		"	50.0		109	75-135		1.89	30	
Trichloroethylene	54		"	50.0		108	84-123		0.616	30	
Trichlorofluoromethane	26		"	50.0		51.2	62-140	Low Bias	1.32	30	
Vinyl Chloride	29		"	50.0		57.4	52-130		2.88	30	
Surrogate: 1,2-Dichloroethane-d4	42.9		"	50.0		85.8	77-125				
Surrogate: Toluene-d8	49.1		"	50.0		98.1	85-120				
Surrogate: p-Bromofluorobenzene	53.8		"	50.0		108	76-130				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH80763 - EPA 3550C											
Blank (BH80763-BLK1)											
Prepared: 08/15/2018 Analyzed: 08/16/2018											
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

Batch BH80763 - EPA 3550C

Blank (BH80763-BLK1)

Prepared: 08/15/2018 Analyzed: 08/16/2018

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	"

Surrogate: 2-Fluorophenol	1.46	"	1.67	87.4	20-108
Surrogate: Phenol-d5	1.35	"	1.67	81.2	23-114
Surrogate: Nitrobenzene-d5	0.725	"	0.833	87.0	22-108
Surrogate: 2-Fluorobiphenyl	0.636	"	0.833	76.3	21-113
Surrogate: 2,4,6-Tribromophenol	1.16	"	1.67	69.6	19-110
Surrogate: Terphenyl-d14	0.708	"	0.833	85.0	24-116



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH80763 - EPA 3550C											
LCS (BH80763-BS1)						Prepared: 08/15/2018 Analyzed: 08/16/2018					
1,1-Biphenyl	0.664	0.0417	mg/kg wet	0.833		79.7	22-103				
1,2,4,5-Tetrachlorobenzene	0.714	0.0833	"	0.833		85.6	10-144				
1,2,4-Trichlorobenzene	0.572	0.0417	"	0.833		68.7	23-130				
1,2-Dichlorobenzene	0.579	0.0417	"	0.833		69.4	26-113				
1,2-Diphenylhydrazine (as Azobenzene)	0.749	0.0417	"	0.833		89.9	10-140				
1,3-Dichlorobenzene	0.590	0.0417	"	0.833		70.8	32-113				
1,4-Dichlorobenzene	0.597	0.0417	"	0.833		71.7	28-111				
2,3,4,6-Tetrachlorophenol	1.57	0.0833	"	0.833		189	30-130	High Bias			
2,4,5-Trichlorophenol	0.583	0.0417	"	0.833		70.0	14-138				
2,4,6-Trichlorophenol	0.572	0.0417	"	0.833		68.6	27-122				
2,4-Dichlorophenol	0.620	0.0417	"	0.833		74.4	23-133				
2,4-Dimethylphenol	0.678	0.0417	"	0.833		81.4	15-131				
2,4-Dinitrophenol	0.588	0.0833	"	0.833		70.5	10-149				
2,4-Dinitrotoluene	0.609	0.0417	"	0.833		73.0	30-123				
2,6-Dinitrotoluene	0.567	0.0417	"	0.833		68.0	30-125				
2-Chloronaphthalene	0.598	0.0417	"	0.833		71.7	22-115				
2-Chlorophenol	0.633	0.0417	"	0.833		76.0	25-121				
2-Methylnaphthalene	0.630	0.0417	"	0.833		75.6	16-127				
2-Methylphenol	0.565	0.0417	"	0.833		67.8	10-146				
2-Nitroaniline	0.594	0.0833	"	0.833		71.3	24-126				
2-Nitrophenol	0.587	0.0417	"	0.833		70.4	17-129				
3- & 4-Methylphenols	0.555	0.0417	"	0.833		66.6	20-109				
3,3-Dichlorobenzidine	0.402	0.0417	"	0.833		48.2	10-147				
3-Nitroaniline	0.538	0.0833	"	0.833		64.5	23-123				
4,6-Dinitro-2-methylphenol	0.595	0.0833	"	0.833		71.4	10-149				
4-Bromophenyl phenyl ether	0.629	0.0417	"	0.833		75.4	30-138				
4-Chloro-3-methylphenol	0.652	0.0417	"	0.833		78.3	16-138				
4-Chloroaniline	0.467	0.0417	"	0.833		56.1	10-117				
4-Chlorophenyl phenyl ether	0.599	0.0417	"	0.833		71.9	18-132				
4-Nitroaniline	0.581	0.0833	"	0.833		69.7	14-125				
4-Nitrophenol	0.661	0.0833	"	0.833		79.3	10-136				
Acenaphthene	0.597	0.0417	"	0.833		71.6	17-124				
Acenaphthylene	0.615	0.0417	"	0.833		73.8	16-124				
Acetophenone	0.651	0.0417	"	0.833		78.2	28-105				
Aniline	0.435	0.167	"	0.833		52.2	10-111				
Anthracene	0.640	0.0417	"	0.833		76.8	24-124				
Atrazine	0.662	0.0417	"	0.833		79.4	22-120				
Benzaldehyde	0.681	0.0417	"	0.833		81.7	21-100				
Benzo(a)anthracene	0.641	0.0417	"	0.833		77.0	25-134				
Benzo(a)pyrene	0.733	0.0417	"	0.833		88.0	29-144				
Benzo(b)fluoranthene	0.674	0.0417	"	0.833		80.9	20-151				
Benzo(g,h,i)perylene	0.650	0.0417	"	0.833		78.0	10-153				
Benzo(k)fluoranthene	0.693	0.0417	"	0.833		83.2	10-148				
Benzoic acid	0.203	0.0417	"	0.842		24.1	10-116				
Benzyl alcohol	0.719	0.0417	"	0.833		86.2	17-128				
Benzyl butyl phthalate	0.676	0.0417	"	0.833		81.1	10-132				
Bis(2-chloroethoxy)methane	0.586	0.0417	"	0.833		70.3	10-129				
Bis(2-chloroethyl)ether	0.657	0.0417	"	0.833		78.8	14-125				
Bis(2-chloroisopropyl)ether	0.844	0.0417	"	0.833		101	14-122				
Bis(2-ethylhexyl)phthalate	0.705	0.0417	"	0.833		84.6	10-141				
Caprolactam	0.620	0.0833	"	0.833		74.4	10-123				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BH80763 - EPA 3550C

LCS (BH80763-BS1)

Prepared: 08/15/2018 Analyzed: 08/16/2018

Carbazole	0.613	0.0417	mg/kg wet	0.833		73.6	31-120			
Chrysene	0.658	0.0417	"	0.833		79.0	24-116			
Dibenzo(a,h)anthracene	0.644	0.0417	"	0.833		77.3	17-147			
Dibenzofuran	0.606	0.0417	"	0.833		72.7	23-123			
Diethyl phthalate	0.617	0.0417	"	0.833		74.0	23-122			
Dimethyl phthalate	0.632	0.0417	"	0.833		75.8	28-127			
Di-n-butyl phthalate	0.623	0.0417	"	0.833		74.8	19-123			
Di-n-octyl phthalate	0.721	0.0417	"	0.833		86.5	10-132			
Fluoranthene	0.650	0.0417	"	0.833		78.0	36-125			
Fluorene	0.613	0.0417	"	0.833		73.6	16-130			
Hexachlorobenzene	0.720	0.0417	"	0.833		86.4	10-129			
Hexachlorobutadiene	0.598	0.0417	"	0.833		71.8	22-153			
Hexachlorocyclopentadiene	0.431	0.0417	"	0.833		51.7	10-134			
Hexachloroethane	0.628	0.0417	"	0.833		75.3	20-112			
Indeno(1,2,3-cd)pyrene	0.651	0.0417	"	0.833		78.2	10-155			
Isophorone	0.629	0.0417	"	0.833		75.5	14-131			
Naphthalene	0.630	0.0417	"	0.833		75.6	20-121			
Nitrobenzene	0.670	0.0417	"	0.833		80.4	20-121			
N-Nitrosodimethylamine	0.639	0.0417	"	0.833		76.7	10-124			
N-nitroso-di-n-propylamine	0.649	0.0417	"	0.833		77.9	21-119			
N-Nitrosodiphenylamine	0.733	0.0417	"	0.833		88.0	10-163			
Pentachlorophenol	0.431	0.0417	"	0.833		51.8	10-143			
Phenanthrene	0.635	0.0417	"	0.833		76.2	24-123			
Phenol	0.726	0.0417	"	0.833		87.1	15-123			
Pyrene	0.664	0.0417	"	0.833		79.6	24-132			
Surrogate: 2-Fluorophenol	1.32		"	1.67		78.9	20-108			
Surrogate: Phenol-d5	1.26		"	1.67		75.7	23-114			
Surrogate: Nitrobenzene-d5	0.698		"	0.833		83.8	22-108			
Surrogate: 2-Fluorobiphenyl	0.624		"	0.833		74.8	21-113			
Surrogate: 2,4,6-Tribromophenol	1.13		"	1.67		67.6	19-110			
Surrogate: Terphenyl-d14	0.697		"	0.833		83.6	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 BH80763 - EPA 3550C											
Matrix Spike (BH80763-MS1)	*Source sample: 18H0563-15 (SB-8 (17'-19'))						Prepared: 08/15/2018 Analyzed: 08/16/2018				
1,1-Biphenyl	0.695	0.0885	mg/kg dry	0.884	ND	78.6	24-112				
1,2,4,5-Tetrachlorobenzene	0.728	0.177	"	0.884	ND	82.3	18-152				
1,2,4-Trichlorobenzene	0.592	0.0885	"	0.884	ND	67.0	15-139				
1,2-Dichlorobenzene	0.577	0.0885	"	0.884	ND	65.2	29-106				
1,2-Diphenylhydrazine (as Azobenzene)	0.799	0.0885	"	0.884	ND	90.4	10-135				
1,3-Dichlorobenzene	0.553	0.0885	"	0.884	ND	62.5	34-100				
1,4-Dichlorobenzene	0.535	0.0885	"	0.884	ND	60.5	26-107				
2,3,4,6-Tetrachlorophenol	0.884	0.177	"	0.884	ND	99.9	30-130				
2,4,5-Trichlorophenol	0.582	0.0885	"	0.884	ND	65.8	10-148				
2,4,6-Trichlorophenol	0.490	0.0885	"	0.884	ND	55.4	12-138				
2,4-Dichlorophenol	0.617	0.0885	"	0.884	ND	69.8	16-144				
2,4-Dimethylphenol	0.621	0.0885	"	0.884	ND	70.2	11-133				
2,4-Dinitrophenol	ND	0.177	"	0.884	ND		10-132	Low Bias			
2,4-Dinitrotoluene	0.584	0.0885	"	0.884	ND	66.1	42-113				
2,6-Dinitrotoluene	0.563	0.0885	"	0.884	ND	63.7	36-124				
2-Chloronaphthalene	0.621	0.0885	"	0.884	ND	70.2	31-116				
2-Chlorophenol	0.595	0.0885	"	0.884	ND	67.3	28-114				
2-Methylnaphthalene	0.668	0.0885	"	0.884	ND	75.5	10-143				
2-Methylphenol	0.552	0.0885	"	0.884	ND	62.4	10-160				
2-Nitroaniline	0.625	0.177	"	0.884	ND	70.7	33-122				
2-Nitrophenol	0.553	0.0885	"	0.884	ND	62.5	12-127				
3- & 4-Methylphenols	0.525	0.0885	"	0.884	ND	59.4	16-115				
3,3-Dichlorobenzidine	0.375	0.0885	"	0.884	ND	42.4	10-134				
3-Nitroaniline	0.524	0.177	"	0.884	ND	59.2	24-128				
4,6-Dinitro-2-methylphenol	ND	0.177	"	0.884	ND		10-149	Low Bias			
4-Bromophenyl phenyl ether	0.613	0.0885	"	0.884	ND	69.3	32-148				
4-Chloro-3-methylphenol	0.635	0.0885	"	0.884	ND	71.8	14-138				
4-Chloroaniline	0.445	0.0885	"	0.884	ND	50.3	10-124				
4-Chlorophenyl phenyl ether	0.594	0.0885	"	0.884	ND	67.1	10-153				
4-Nitroaniline	0.596	0.177	"	0.884	ND	67.4	10-151				
4-Nitrophenol	0.577	0.177	"	0.884	ND	65.2	10-141				
Acenaphthene	0.702	0.0885	"	0.884	0.0481	73.9	13-133				
Acenaphthylene	0.670	0.0885	"	0.884	ND	75.8	25-125				
Acetophenone	0.663	0.0885	"	0.884	ND	75.0	25-105				
Aniline	0.352	0.354	"	0.884	ND	39.8	10-112				
Anthracene	0.846	0.0885	"	0.884	0.166	76.9	27-128				
Atrazine	0.674	0.0885	"	0.884	ND	76.2	10-139				
Benzaldehyde	0.705	0.0885	"	0.884	ND	79.7	24-96				
Benzo(a)anthracene	1.13	0.0885	"	0.884	0.395	82.6	20-147				
Benzo(a)pyrene	1.24	0.0885	"	0.884	0.377	97.8	18-153				
Benzo(b)fluoranthene	1.08	0.0885	"	0.884	0.291	89.0	10-163				
Benzo(g,h,i)perylene	0.849	0.0885	"	0.884	0.189	74.6	10-157				
Benzo(k)fluoranthene	1.09	0.0885	"	0.884	0.310	87.9	10-157				
Benzoic acid	ND	0.0885	"	0.893	ND		10-130	Low Bias			
Benzyl alcohol	0.679	0.0885	"	0.884	ND	76.8	20-122				
Benzyl butyl phthalate	0.698	0.0885	"	0.884	ND	79.0	10-129				
Bis(2-chloroethoxy)methane	0.615	0.0885	"	0.884	ND	69.5	12-128				
Bis(2-chloroethyl)ether	0.640	0.0885	"	0.884	ND	72.3	18-113				
Bis(2-chloroisopropyl)ether	0.800	0.0885	"	0.884	ND	90.5	10-130				
Bis(2-ethylhexyl)phthalate	1.04	0.0885	"	0.884	0.273	86.6	10-138				
Caprolactam	0.653	0.177	"	0.884	ND	73.8	10-100				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BH80763 - EPA 3550C

Matrix Spike (BH80763-MS1)		*Source sample: 18H0563-15 (SB-8 (17'-19'))					Prepared: 08/15/2018 Analyzed: 08/16/2018				
Carbazole	0.630	0.0885	mg/kg dry	0.884	ND	71.2	24-139				
Chrysene	1.17	0.0885	"	0.884	0.413	85.2	18-133				
Dibenzo(a,h)anthracene	0.734	0.0885	"	0.884	0.0637	75.8	10-146				
Dibenzofuran	0.656	0.0885	"	0.884	ND	74.2	26-134				
Diethyl phthalate	0.630	0.0885	"	0.884	ND	71.3	30-119				
Dimethyl phthalate	0.626	0.0885	"	0.884	ND	70.8	34-120				
Di-n-butyl phthalate	0.621	0.0885	"	0.884	ND	70.2	20-128				
Di-n-octyl phthalate	0.811	0.0885	"	0.884	ND	91.7	10-133				
Fluoranthene	1.50	0.0885	"	0.884	0.726	88.1	10-155				
Fluorene	0.679	0.0885	"	0.884	0.0502	71.1	12-150				
Hexachlorobenzene	0.783	0.0885	"	0.884	ND	88.6	16-142				
Hexachlorobutadiene	0.579	0.0885	"	0.884	ND	65.4	11-150				
Hexachlorocyclopentadiene	0.192	0.0885	"	0.884	ND	21.8	10-115				
Hexachloroethane	0.613	0.0885	"	0.884	ND	69.4	14-106				
Indeno(1,2,3-cd)pyrene	0.816	0.0885	"	0.884	0.160	74.2	10-155				
Isophorone	0.636	0.0885	"	0.884	ND	71.9	14-127				
Naphthalene	0.677	0.0885	"	0.884	ND	76.6	15-132				
Nitrobenzene	0.681	0.0885	"	0.884	ND	77.0	18-125				
N-Nitrosodimethylamine	0.568	0.0885	"	0.884	ND	64.2	10-123				
N-nitroso-di-n-propylamine	0.611	0.0885	"	0.884	ND	69.1	23-115				
N-Nitrosodiphenylamine	0.932	0.0885	"	0.884	ND	105	16-166				
Pentachlorophenol	0.121	0.0885	"	0.884	ND	13.7	10-160				
Phenanthrene	1.41	0.0885	"	0.884	0.675	82.7	10-151				
Phenol	0.687	0.0885	"	0.884	ND	77.7	11-124				
Pyrene	1.65	0.0885	"	0.884	0.786	98.0	13-148				
Surrogate: 2-Fluorophenol	1.23		"	1.77		69.5	20-108				
Surrogate: Phenol-d5	1.20		"	1.77		68.0	23-114				
Surrogate: Nitrobenzene-d5	0.723		"	0.884		81.8	22-108				
Surrogate: 2-Fluorobiphenyl	0.653		"	0.884		73.8	21-113				
Surrogate: 2,4,6-Tribromophenol	1.02		"	1.77		57.8	19-110				
Surrogate: Terphenyl-d14	0.712		"	0.884		80.5	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 BH80763 - EPA 3550C											
Matrix Spike Dup (BH80763-MSD1)		*Source sample: 18H0563-15 (SB-8 (17'-19'))					Prepared: 08/15/2018 Analyzed: 08/16/2018				
1,1-Biphenyl	0.603	0.0885	mg/kg dry	0.884	ND	68.2	24-112		14.1	30	
1,2,4,5-Tetrachlorobenzene	0.618	0.177	"	0.884	ND	69.9	18-152		16.3	30	
1,2,4-Trichlorobenzene	0.514	0.0885	"	0.884	ND	58.2	15-139		14.1	30	
1,2-Dichlorobenzene	0.480	0.0885	"	0.884	ND	54.2	29-106		18.4	30	
1,2-Diphenylhydrazine (as Azobenzene)	0.682	0.0885	"	0.884	ND	77.1	10-135		15.9	30	
1,3-Dichlorobenzene	0.494	0.0885	"	0.884	ND	55.8	34-100		11.2	30	
1,4-Dichlorobenzene	0.496	0.0885	"	0.884	ND	56.1	26-107		7.55	30	
2,3,4,6-Tetrachlorophenol	0.658	0.177	"	0.884	ND	74.4	30-130		29.3	30	
2,4,5-Trichlorophenol	0.473	0.0885	"	0.884	ND	53.4	10-148		20.8	30	
2,4,6-Trichlorophenol	0.392	0.0885	"	0.884	ND	44.3	12-138		22.3	30	
2,4-Dichlorophenol	0.559	0.0885	"	0.884	ND	63.2	16-144		9.87	30	
2,4-Dimethylphenol	0.528	0.0885	"	0.884	ND	59.8	11-133		16.1	30	
2,4-Dinitrophenol	ND	0.177	"	0.884	ND		10-132	Low Bias		30	
2,4-Dinitrotoluene	0.559	0.0885	"	0.884	ND	63.2	42-113		4.46	30	
2,6-Dinitrotoluene	0.552	0.0885	"	0.884	ND	62.4	36-124		2.03	30	
2-Chloronaphthalene	0.538	0.0885	"	0.884	ND	60.8	31-116		14.4	30	
2-Chlorophenol	0.514	0.0885	"	0.884	ND	58.2	28-114		14.5	30	
2-Methylnaphthalene	0.621	0.0885	"	0.884	ND	70.2	10-143		7.24	30	
2-Methylphenol	0.482	0.0885	"	0.884	ND	54.5	10-160		13.6	30	
2-Nitroaniline	0.569	0.177	"	0.884	ND	64.3	33-122		9.48	30	
2-Nitrophenol	0.512	0.0885	"	0.884	ND	57.9	12-127		7.57	30	
3- & 4-Methylphenols	0.469	0.0885	"	0.884	ND	53.0	16-115		11.2	30	
3,3-Dichlorobenzidine	0.322	0.0885	"	0.884	ND	36.4	10-134		15.2	30	
3-Nitroaniline	0.494	0.177	"	0.884	ND	55.8	24-128		5.84	30	
4,6-Dinitro-2-methylphenol	ND	0.177	"	0.884	ND		10-149	Low Bias		30	
4-Bromophenyl phenyl ether	0.566	0.0885	"	0.884	ND	64.0	32-148		7.92	30	
4-Chloro-3-methylphenol	0.601	0.0885	"	0.884	ND	67.9	14-138		5.61	30	
4-Chloroaniline	0.371	0.0885	"	0.884	ND	42.0	10-124		18.0	30	
4-Chlorophenyl phenyl ether	0.518	0.0885	"	0.884	ND	58.6	10-153		13.6	30	
4-Nitroaniline	0.503	0.177	"	0.884	ND	56.9	10-151		16.9	30	
4-Nitrophenol	0.490	0.177	"	0.884	ND	55.4	10-141		16.2	30	
Acenaphthene	0.633	0.0885	"	0.884	0.0481	66.2	13-133		10.3	30	
Acenaphthylene	0.584	0.0885	"	0.884	ND	66.0	25-125		13.8	30	
Acetophenone	0.551	0.0885	"	0.884	ND	62.3	25-105		18.4	30	
Aniline	0.299	0.354	"	0.884	ND	33.8	10-112		16.5	30	
Anthracene	0.750	0.0885	"	0.884	0.166	66.0	27-128		12.1	30	
Atrazine	0.597	0.0885	"	0.884	ND	67.5	10-139		12.1	30	
Benzaldehyde	0.614	0.0885	"	0.884	ND	69.4	24-96		13.7	30	
Benzo(a)anthracene	0.960	0.0885	"	0.884	0.395	63.9	20-147		15.9	30	
Benzo(a)pyrene	1.04	0.0885	"	0.884	0.377	75.4	18-153		17.3	30	
Benzo(b)fluoranthene	0.918	0.0885	"	0.884	0.291	70.9	10-163		16.0	30	
Benzo(g,h,i)perylene	0.698	0.0885	"	0.884	0.189	57.6	10-157		19.5	30	
Benzo(k)fluoranthene	0.908	0.0885	"	0.884	0.310	67.7	10-157		17.9	30	
Benzoic acid	ND	0.0885	"	0.893	ND		10-130	Low Bias		30	
Benzyl alcohol	0.574	0.0885	"	0.884	ND	64.9	20-122		16.8	30	
Benzyl butyl phthalate	0.621	0.0885	"	0.884	ND	70.2	10-129		11.7	30	
Bis(2-chloroethoxy)methane	0.506	0.0885	"	0.884	ND	57.2	12-128		19.4	30	
Bis(2-chloroethyl)ether	0.611	0.0885	"	0.884	ND	69.0	18-113		4.64	30	
Bis(2-chloroisopropyl)ether	0.730	0.0885	"	0.884	ND	82.6	10-130		9.15	30	
Bis(2-ethylhexyl)phthalate	0.906	0.0885	"	0.884	0.273	71.6	10-138		13.7	30	
Caprolactam	0.550	0.177	"	0.884	ND	62.2	10-100		17.0	30	



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BH80763 - EPA 3550C

Matrix Spike Dup (BH80763-MSD1)	*Source sample: 18H0563-15 (SB-8 (17'-19'))					Prepared: 08/15/2018 Analyzed: 08/16/2018					
Carbazole	0.574	0.0885	mg/kg dry	0.884	ND	65.0	24-139		9.17	30	
Chrysene	0.995	0.0885	"	0.884	0.413	65.8	18-133		15.8	30	
Dibenzo(a,h)anthracene	0.615	0.0885	"	0.884	0.0637	62.3	10-146		17.6	30	
Dibenzofuran	0.589	0.0885	"	0.884	ND	66.6	26-134		10.8	30	
Diethyl phthalate	0.562	0.0885	"	0.884	ND	63.5	30-119		11.5	30	
Dimethyl phthalate	0.533	0.0885	"	0.884	ND	60.2	34-120		16.1	30	
Di-n-butyl phthalate	0.573	0.0885	"	0.884	ND	64.8	20-128		8.06	30	
Di-n-octyl phthalate	0.703	0.0885	"	0.884	ND	79.5	10-133		14.2	30	
Fluoranthene	1.37	0.0885	"	0.884	0.726	73.1	10-155		9.20	30	
Fluorene	0.629	0.0885	"	0.884	0.0502	65.4	12-150		7.68	30	
Hexachlorobenzene	0.676	0.0885	"	0.884	ND	76.4	16-142		14.7	30	
Hexachlorobutadiene	0.530	0.0885	"	0.884	ND	59.9	11-150		8.81	30	
Hexachlorocyclopentadiene	0.122	0.0885	"	0.884	ND	13.8	10-115		45.0	30	Non-dir.
Hexachloroethane	0.512	0.0885	"	0.884	ND	57.8	14-106		18.1	30	
Indeno(1,2,3-cd)pyrene	0.703	0.0885	"	0.884	0.160	61.4	10-155		14.9	30	
Isophorone	0.574	0.0885	"	0.884	ND	64.9	14-127		10.3	30	
Naphthalene	0.597	0.0885	"	0.884	ND	67.5	15-132		12.5	30	
Nitrobenzene	0.574	0.0885	"	0.884	ND	65.0	18-125		17.0	30	
N-Nitrosodimethylamine	0.522	0.0885	"	0.884	ND	59.0	10-123		8.44	30	
N-nitroso-di-n-propylamine	0.561	0.0885	"	0.884	ND	63.4	23-115		8.57	30	
N-Nitrosodiphenylamine	0.805	0.0885	"	0.884	ND	91.0	16-166		14.7	30	
Pentachlorophenol	0.0524	0.0885	"	0.884	ND	5.92	10-160	Low Bias	79.2	30	Non-dir.
Phenanthrene	1.36	0.0885	"	0.884	0.675	78.0	10-151		3.01	30	
Phenol	0.595	0.0885	"	0.884	ND	67.3	11-124		14.3	30	
Pyrene	1.43	0.0885	"	0.884	0.786	73.2	13-148		14.2	30	
Surrogate: 2-Fluorophenol	1.06		"	1.77		59.8	20-108				
Surrogate: Phenol-d5	1.07		"	1.77		60.2	23-114				
Surrogate: Nitrobenzene-d5	0.577		"	0.884		65.3	22-108				
Surrogate: 2-Fluorobiphenyl	0.541		"	0.884		61.2	21-113				
Surrogate: 2,4,6-Tribromophenol	0.795		"	1.77		45.0	19-110				
Surrogate: Terphenyl-d14	0.602		"	0.884		68.1	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BH80799 - EPA 3550C

Blank (BH80799-BLK1)

Prepared: 08/16/2018 Analyzed: 08/17/2018

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

Batch BH80799 - EPA 3550C

Blank (BH80799-BLK1)

Prepared: 08/16/2018 Analyzed: 08/17/2018

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	"

Surrogate: 2-Fluorophenol	1.35	"	1.67	81.2	20-108
Surrogate: Phenol-d5	1.29	"	1.67	77.7	23-114
Surrogate: Nitrobenzene-d5	0.834	"	0.833	100	22-108
Surrogate: 2-Fluorobiphenyl	0.693	"	0.833	83.2	21-113
Surrogate: 2,4,6-Tribromophenol	1.37	"	1.67	82.1	19-110
Surrogate: Terphenyl-d14	0.810	"	0.833	97.2	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 BH80799 - EPA 3550C											
LCS (BH80799-BS1)						Prepared: 08/16/2018 Analyzed: 08/17/2018					
1,1-Biphenyl	0.679	0.0417	mg/kg wet	0.833		81.4	22-103				
1,2,4,5-Tetrachlorobenzene	0.672	0.0833	"	0.833		80.6	10-144				
1,2,4-Trichlorobenzene	0.583	0.0417	"	0.833		70.0	23-130				
1,2-Dichlorobenzene	0.582	0.0417	"	0.833		69.8	26-113				
1,2-Diphenylhydrazine (as Azobenzene)	0.815	0.0417	"	0.833		97.8	10-140				
1,3-Dichlorobenzene	0.567	0.0417	"	0.833		68.1	32-113				
1,4-Dichlorobenzene	0.631	0.0417	"	0.833		75.8	28-111				
2,3,4,6-Tetrachlorophenol	1.64	0.0833	"	0.833		197	30-130	High Bias			
2,4,5-Trichlorophenol	0.611	0.0417	"	0.833		73.3	14-138				
2,4,6-Trichlorophenol	0.588	0.0417	"	0.833		70.6	27-122				
2,4-Dichlorophenol	0.668	0.0417	"	0.833		80.1	23-133				
2,4-Dimethylphenol	0.606	0.0417	"	0.833		72.8	15-131				
2,4-Dinitrophenol	0.623	0.0833	"	0.833		74.7	10-149				
2,4-Dinitrotoluene	0.631	0.0417	"	0.833		75.8	30-123				
2,6-Dinitrotoluene	0.608	0.0417	"	0.833		73.0	30-125				
2-Chloronaphthalene	0.566	0.0417	"	0.833		68.0	22-115				
2-Chlorophenol	0.591	0.0417	"	0.833		70.9	25-121				
2-Methylnaphthalene	0.652	0.0417	"	0.833		78.3	16-127				
2-Methylphenol	0.556	0.0417	"	0.833		66.7	10-146				
2-Nitroaniline	0.610	0.0833	"	0.833		73.2	24-126				
2-Nitrophenol	0.573	0.0417	"	0.833		68.8	17-129				
3- & 4-Methylphenols	0.561	0.0417	"	0.833		67.3	20-109				
3,3-Dichlorobenzidine	0.424	0.0417	"	0.833		50.8	10-147				
3-Nitroaniline	0.541	0.0833	"	0.833		65.0	23-123				
4,6-Dinitro-2-methylphenol	0.671	0.0833	"	0.833		80.6	10-149				
4-Bromophenyl phenyl ether	0.629	0.0417	"	0.833		75.5	30-138				
4-Chloro-3-methylphenol	0.703	0.0417	"	0.833		84.4	16-138				
4-Chloroaniline	0.498	0.0417	"	0.833		59.7	10-117				
4-Chlorophenyl phenyl ether	0.590	0.0417	"	0.833		70.8	18-132				
4-Nitroaniline	0.576	0.0833	"	0.833		69.1	14-125				
4-Nitrophenol	0.701	0.0833	"	0.833		84.1	10-136				
Acenaphthene	0.613	0.0417	"	0.833		73.6	17-124				
Acenaphthylene	0.617	0.0417	"	0.833		74.1	16-124				
Acetophenone	0.658	0.0417	"	0.833		79.0	28-105				
Aniline	0.428	0.167	"	0.833		51.4	10-111				
Anthracene	0.667	0.0417	"	0.833		80.0	24-124				
Atrazine	0.692	0.0417	"	0.833		83.0	22-120				
Benzaldehyde	0.680	0.0417	"	0.833		81.6	21-100				
Benzo(a)anthracene	0.649	0.0417	"	0.833		77.9	25-134				
Benzo(a)pyrene	0.720	0.0417	"	0.833		86.4	29-144				
Benzo(b)fluoranthene	0.672	0.0417	"	0.833		80.6	20-151				
Benzo(g,h,i)perylene	0.692	0.0417	"	0.833		83.0	10-153				
Benzo(k)fluoranthene	0.671	0.0417	"	0.833		80.5	10-148				
Benzoic acid	0.455	0.0417	"	0.842		54.1	10-116				
Benzyl alcohol	0.701	0.0417	"	0.833		84.2	17-128				
Benzyl butyl phthalate	0.678	0.0417	"	0.833		81.3	10-132				
Bis(2-chloroethoxy)methane	0.623	0.0417	"	0.833		74.8	10-129				
Bis(2-chloroethyl)ether	0.628	0.0417	"	0.833		75.3	14-125				
Bis(2-chloroisopropyl)ether	0.913	0.0417	"	0.833		110	14-122				
Bis(2-ethylhexyl)phthalate	0.730	0.0417	"	0.833		87.6	10-141				
Caprolactam	0.604	0.0833	"	0.833		72.5	10-123				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BH80799 - EPA 3550C

LCS (BH80799-BS1)

Prepared: 08/16/2018 Analyzed: 08/17/2018

Carbazole	0.618	0.0417	mg/kg wet	0.833		74.1	31-120				
Chrysene	0.650	0.0417	"	0.833		78.0	24-116				
Dibenzo(a,h)anthracene	0.698	0.0417	"	0.833		83.8	17-147				
Dibenzofuran	0.609	0.0417	"	0.833		73.1	23-123				
Diethyl phthalate	0.667	0.0417	"	0.833		80.1	23-122				
Dimethyl phthalate	0.642	0.0417	"	0.833		77.0	28-127				
Di-n-butyl phthalate	0.657	0.0417	"	0.833		78.9	19-123				
Di-n-octyl phthalate	0.717	0.0417	"	0.833		86.1	10-132				
Fluoranthene	0.661	0.0417	"	0.833		79.4	36-125				
Fluorene	0.641	0.0417	"	0.833		76.9	16-130				
Hexachlorobenzene	0.803	0.0417	"	0.833		96.4	10-129				
Hexachlorobutadiene	0.644	0.0417	"	0.833		77.3	22-153				
Hexachlorocyclopentadiene	0.315	0.0417	"	0.833		37.8	10-134				
Hexachloroethane	0.677	0.0417	"	0.833		81.2	20-112				
Indeno(1,2,3-cd)pyrene	0.683	0.0417	"	0.833		81.9	10-155				
Isophorone	0.647	0.0417	"	0.833		77.6	14-131				
Naphthalene	0.631	0.0417	"	0.833		75.7	20-121				
Nitrobenzene	0.701	0.0417	"	0.833		84.1	20-121				
N-Nitrosodimethylamine	0.591	0.0417	"	0.833		70.9	10-124				
N-nitroso-di-n-propylamine	0.641	0.0417	"	0.833		76.9	21-119				
N-Nitrosodiphenylamine	0.754	0.0417	"	0.833		90.5	10-163				
Pentachlorophenol	0.511	0.0417	"	0.833		61.3	10-143				
Phenanthrene	0.679	0.0417	"	0.833		81.5	24-123				
Phenol	0.695	0.0417	"	0.833		83.4	15-123				
Pyrene	0.680	0.0417	"	0.833		81.6	24-132				
Surrogate: 2-Fluorophenol	1.26		"	1.67		75.8	20-108				
Surrogate: Phenol-d5	1.21		"	1.67		72.9	23-114				
Surrogate: Nitrobenzene-d5	0.721		"	0.833		86.5	22-108				
Surrogate: 2-Fluorobiphenyl	0.617		"	0.833		74.1	21-113				
Surrogate: 2,4,6-Tribromophenol	1.17		"	1.67		70.4	19-110				
Surrogate: Terphenyl-d14	0.694		"	0.833		83.2	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 BH80799 - EPA 3550C											
Matrix Spike (BH80799-MS1)		*Source sample: 18H0563-07 (SB-4 (17'-19'))						Prepared: 08/16/2018 Analyzed: 08/17/2018			
1,1-Biphenyl	0.538	0.0895	mg/kg dry	0.894	ND	60.2	24-112				
1,2,4,5-Tetrachlorobenzene	0.563	0.179	"	0.894	ND	63.0	18-152				
1,2,4-Trichlorobenzene	0.468	0.0895	"	0.894	ND	52.4	15-139				
1,2-Dichlorobenzene	0.471	0.0895	"	0.894	ND	52.7	29-106				
1,2-Diphenylhydrazine (as Azobenzene)	0.585	0.0895	"	0.894	ND	65.4	10-135				
1,3-Dichlorobenzene	0.418	0.0895	"	0.894	ND	46.8	34-100				
1,4-Dichlorobenzene	0.478	0.0895	"	0.894	ND	53.4	26-107				
2,3,4,6-Tetrachlorophenol	1.51	0.179	"	0.894	ND	169	30-130	High Bias			
2,4,5-Trichlorophenol	0.521	0.0895	"	0.894	ND	58.2	10-148				
2,4,6-Trichlorophenol	0.487	0.0895	"	0.894	ND	54.5	12-138				
2,4-Dichlorophenol	0.560	0.0895	"	0.894	ND	62.6	16-144				
2,4-Dimethylphenol	0.434	0.0895	"	0.894	ND	48.6	11-133				
2,4-Dinitrophenol	ND	0.179	"	0.894	ND		10-132	Low Bias			
2,4-Dinitrotoluene	0.459	0.0895	"	0.894	ND	51.4	42-113				
2,6-Dinitrotoluene	0.460	0.0895	"	0.894	ND	51.4	36-124				
2-Chloronaphthalene	0.457	0.0895	"	0.894	ND	51.1	31-116				
2-Chlorophenol	0.548	0.0895	"	0.894	ND	61.3	28-114				
2-Methylnaphthalene	0.509	0.0895	"	0.894	ND	57.0	10-143				
2-Methylphenol	0.518	0.0895	"	0.894	ND	57.9	10-160				
2-Nitroaniline	0.522	0.179	"	0.894	ND	58.4	33-122				
2-Nitrophenol	0.303	0.0895	"	0.894	ND	33.9	12-127				
3- & 4-Methylphenols	0.463	0.0895	"	0.894	ND	51.8	16-115				
3,3-Dichlorobenzidine	0.335	0.0895	"	0.894	ND	37.5	10-134				
3-Nitroaniline	0.529	0.179	"	0.894	ND	59.2	24-128				
4,6-Dinitro-2-methylphenol	ND	0.179	"	0.894	ND		10-149	Low Bias			
4-Bromophenyl phenyl ether	0.409	0.0895	"	0.894	ND	45.8	32-148				
4-Chloro-3-methylphenol	0.588	0.0895	"	0.894	ND	65.8	14-138				
4-Chloroaniline	0.445	0.0895	"	0.894	ND	49.8	10-124				
4-Chlorophenyl phenyl ether	0.453	0.0895	"	0.894	ND	50.7	10-153				
4-Nitroaniline	0.536	0.179	"	0.894	ND	60.0	10-151				
4-Nitrophenol	0.679	0.179	"	0.894	ND	75.9	10-141				
Acenaphthene	0.509	0.0895	"	0.894	ND	57.0	13-133				
Acenaphthylene	0.501	0.0895	"	0.894	ND	56.1	25-125				
Acetophenone	0.559	0.0895	"	0.894	ND	62.6	25-105				
Aniline	0.348	0.358	"	0.894	ND	39.0	10-112				
Anthracene	0.488	0.0895	"	0.894	ND	54.6	27-128				
Atrazine	0.578	0.0895	"	0.894	ND	64.7	10-139				
Benzaldehyde	0.567	0.0895	"	0.894	ND	63.4	24-96				
Benzo(a)anthracene	0.519	0.0895	"	0.894	ND	58.1	20-147				
Benzo(a)pyrene	0.585	0.0895	"	0.894	ND	65.4	18-153				
Benzo(b)fluoranthene	0.523	0.0895	"	0.894	ND	58.5	10-163				
Benzo(g,h,i)perylene	0.493	0.0895	"	0.894	ND	55.2	10-157				
Benzo(k)fluoranthene	0.541	0.0895	"	0.894	ND	60.5	10-157				
Benzoic acid	0.509	0.0895	"	0.903	ND	56.4	10-130				
Benzyl alcohol	0.605	0.0895	"	0.894	ND	67.7	20-122				
Benzyl butyl phthalate	0.524	0.0895	"	0.894	ND	58.6	10-129				
Bis(2-chloroethoxy)methane	0.496	0.0895	"	0.894	ND	55.5	12-128				
Bis(2-chloroethyl)ether	0.591	0.0895	"	0.894	ND	66.2	18-113				
Bis(2-chloroisopropyl)ether	0.721	0.0895	"	0.894	ND	80.6	10-130				
Bis(2-ethylhexyl)phthalate	0.588	0.0895	"	0.894	ND	65.8	10-138				
Caprolactam	0.522	0.179	"	0.894	ND	58.4	10-100				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BH80799 - EPA 3550C

Matrix Spike (BH80799-MS1)		*Source sample: 18H0563-07 (SB-4 (17'-19'))					Prepared: 08/16/2018 Analyzed: 08/17/2018				
Carbazole	0.499	0.0895	mg/kg dry	0.894	ND	55.8	24-139				
Chrysene	0.520	0.0895	"	0.894	ND	58.2	18-133				
Dibenzo(a,h)anthracene	0.516	0.0895	"	0.894	ND	57.8	10-146				
Dibenzofuran	0.479	0.0895	"	0.894	ND	53.6	26-134				
Diethyl phthalate	0.498	0.0895	"	0.894	ND	55.7	30-119				
Dimethyl phthalate	0.476	0.0895	"	0.894	ND	53.2	34-120				
Di-n-butyl phthalate	0.473	0.0895	"	0.894	ND	53.0	20-128				
Di-n-octyl phthalate	0.576	0.0895	"	0.894	ND	64.5	10-133				
Fluoranthene	0.528	0.0895	"	0.894	ND	59.1	10-155				
Fluorene	0.508	0.0895	"	0.894	ND	56.9	12-150				
Hexachlorobenzene	0.634	0.0895	"	0.894	ND	70.9	16-142				
Hexachlorobutadiene	0.443	0.0895	"	0.894	ND	49.5	11-150				
Hexachlorocyclopentadiene	0.0529	0.0895	"	0.894	ND	5.92	10-115	Low Bias			
Hexachloroethane	0.434	0.0895	"	0.894	ND	48.6	14-106				
Indeno(1,2,3-cd)pyrene	0.494	0.0895	"	0.894	ND	55.3	10-155				
Isophorone	0.558	0.0895	"	0.894	ND	62.4	14-127				
Naphthalene	0.530	0.0895	"	0.894	ND	59.3	15-132				
Nitrobenzene	0.612	0.0895	"	0.894	ND	68.5	18-125				
N-Nitrosodimethylamine	0.470	0.0895	"	0.894	ND	52.6	10-123				
N-nitroso-di-n-propylamine	0.518	0.0895	"	0.894	ND	58.0	23-115				
N-Nitrosodiphenylamine	0.548	0.0895	"	0.894	ND	61.4	16-166				
Pentachlorophenol	0.498	0.0895	"	0.894	ND	55.7	10-160				
Phenanthrene	0.506	0.0895	"	0.894	ND	56.6	10-151				
Phenol	0.569	0.0895	"	0.894	ND	63.7	11-124				
Pyrene	0.569	0.0895	"	0.894	ND	63.7	13-148				
Surrogate: 2-Fluorophenol	1.05		"	1.79		58.7	20-108				
Surrogate: Phenol-d5	1.03		"	1.79		57.5	23-114				
Surrogate: Nitrobenzene-d5	0.631		"	0.894		70.6	22-108				
Surrogate: 2-Fluorobiphenyl	0.480		"	0.894		53.7	21-113				
Surrogate: 2,4,6-Tribromophenol	1.04		"	1.79		58.2	19-110				
Surrogate: Terphenyl-d14	0.621		"	0.894		69.4	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH80799 - EPA 3550C											
Matrix Spike Dup (BH80799-MSD1)		*Source sample: 18H0563-07 (SB-4 (17'-19'))					Prepared: 08/16/2018 Analyzed: 08/17/2018				
1,1-Biphenyl	0.591	0.0895	mg/kg dry	0.894	ND	66.2	24-112		9.37	30	
1,2,4,5-Tetrachlorobenzene	0.588	0.179	"	0.894	ND	65.8	18-152		4.47	30	
1,2,4-Trichlorobenzene	0.496	0.0895	"	0.894	ND	55.4	15-139		5.64	30	
1,2-Dichlorobenzene	0.513	0.0895	"	0.894	ND	57.4	29-106		8.57	30	
1,2-Diphenylhydrazine (as Azobenzene)	0.671	0.0895	"	0.894	ND	75.1	10-135		13.8	30	
1,3-Dichlorobenzene	0.469	0.0895	"	0.894	ND	52.5	34-100		11.4	30	
1,4-Dichlorobenzene	0.523	0.0895	"	0.894	ND	58.5	26-107		9.01	30	
2,3,4,6-Tetrachlorophenol	1.75	0.179	"	0.894	ND	196	30-130	High Bias	14.9	30	
2,4,5-Trichlorophenol	0.588	0.0895	"	0.894	ND	65.8	10-148		12.3	30	
2,4,6-Trichlorophenol	0.609	0.0895	"	0.894	ND	68.2	12-138		22.3	30	
2,4-Dichlorophenol	0.656	0.0895	"	0.894	ND	73.4	16-144		15.9	30	
2,4-Dimethylphenol	0.559	0.0895	"	0.894	ND	62.6	11-133		25.2	30	
2,4-Dinitrophenol	ND	0.179	"	0.894	ND		10-132	Low Bias		30	
2,4-Dinitrotoluene	0.519	0.0895	"	0.894	ND	58.1	42-113		12.3	30	
2,6-Dinitrotoluene	0.517	0.0895	"	0.894	ND	57.8	36-124		11.7	30	
2-Chloronaphthalene	0.493	0.0895	"	0.894	ND	55.1	31-116		7.53	30	
2-Chlorophenol	0.554	0.0895	"	0.894	ND	62.0	28-114		1.17	30	
2-Methylnaphthalene	0.598	0.0895	"	0.894	ND	66.9	10-143		16.0	30	
2-Methylphenol	0.482	0.0895	"	0.894	ND	53.9	10-160		7.15	30	
2-Nitroaniline	0.583	0.179	"	0.894	ND	65.2	33-122		11.0	30	
2-Nitrophenol	0.398	0.0895	"	0.894	ND	44.6	12-127		27.1	30	
3- & 4-Methylphenols	0.500	0.0895	"	0.894	ND	55.9	16-115		7.57	30	
3,3-Dichlorobenzidine	0.361	0.0895	"	0.894	ND	40.4	10-134		7.39	30	
3-Nitroaniline	0.581	0.179	"	0.894	ND	65.0	24-128		9.40	30	
4,6-Dinitro-2-methylphenol	ND	0.179	"	0.894	ND		10-149	Low Bias		30	
4-Bromophenyl phenyl ether	0.481	0.0895	"	0.894	ND	53.8	32-148		16.2	30	
4-Chloro-3-methylphenol	0.640	0.0895	"	0.894	ND	71.6	14-138		8.38	30	
4-Chloroaniline	0.506	0.0895	"	0.894	ND	56.6	10-124		12.9	30	
4-Chlorophenyl phenyl ether	0.460	0.0895	"	0.894	ND	51.4	10-153		1.41	30	
4-Nitroaniline	0.587	0.179	"	0.894	ND	65.7	10-151		9.04	30	
4-Nitrophenol	0.729	0.179	"	0.894	ND	81.5	10-141		7.11	30	
Acenaphthene	0.537	0.0895	"	0.894	ND	60.1	13-133		5.33	30	
Acenaphthylene	0.518	0.0895	"	0.894	ND	58.0	25-125		3.37	30	
Acetophenone	0.577	0.0895	"	0.894	ND	64.6	25-105		3.15	30	
Aniline	0.342	0.358	"	0.894	ND	38.2	10-112		1.87	30	
Anthracene	0.550	0.0895	"	0.894	ND	61.5	27-128		11.8	30	
Atrazine	0.571	0.0895	"	0.894	ND	63.8	10-139		1.37	30	
Benzaldehyde	0.593	0.0895	"	0.894	ND	66.4	24-96		4.56	30	
Benzo(a)anthracene	0.543	0.0895	"	0.894	ND	60.7	20-147		4.44	30	
Benzo(a)pyrene	0.566	0.0895	"	0.894	ND	63.4	18-153		3.23	30	
Benzo(b)fluoranthene	0.546	0.0895	"	0.894	ND	61.0	10-163		4.28	30	
Benzo(g,h,i)perylene	0.501	0.0895	"	0.894	ND	56.1	10-157		1.58	30	
Benzo(k)fluoranthene	0.553	0.0895	"	0.894	ND	61.8	10-157		2.22	30	
Benzoic acid	0.516	0.0895	"	0.903	ND	57.1	10-130		1.26	30	
Benzyl alcohol	0.678	0.0895	"	0.894	ND	75.8	20-122		11.4	30	
Benzyl butyl phthalate	0.571	0.0895	"	0.894	ND	63.8	10-129		8.49	30	
Bis(2-chloroethoxy)methane	0.531	0.0895	"	0.894	ND	59.4	12-128		6.69	30	
Bis(2-chloroethyl)ether	0.599	0.0895	"	0.894	ND	67.0	18-113		1.20	30	
Bis(2-chloroisopropyl)ether	0.776	0.0895	"	0.894	ND	86.8	10-130		7.36	30	
Bis(2-ethylhexyl)phthalate	0.615	0.0895	"	0.894	ND	68.8	10-138		4.40	30	
Caprolactam	0.541	0.179	"	0.894	ND	60.6	10-100		3.63	30	



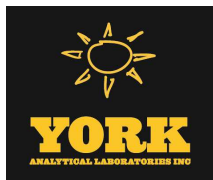
Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BH80799 - EPA 3550C

Matrix Spike Dup (BH80799-MSD1)		*Source sample: 18H0563-07 (SB-4 (17'-19'))					Prepared: 08/16/2018 Analyzed: 08/17/2018				
Carbazole	0.564	0.0895	mg/kg dry	0.894	ND	63.1	24-139		12.2	30	
Chrysene	0.556	0.0895	"	0.894	ND	62.2	18-133		6.78	30	
Dibenzo(a,h)anthracene	0.517	0.0895	"	0.894	ND	57.8	10-146		0.138	30	
Dibenzofuran	0.541	0.0895	"	0.894	ND	60.5	26-134		12.1	30	
Diethyl phthalate	0.561	0.0895	"	0.894	ND	62.7	30-119		11.9	30	
Dimethyl phthalate	0.583	0.0895	"	0.894	ND	65.2	34-120		20.3	30	
Di-n-butyl phthalate	0.536	0.0895	"	0.894	ND	60.0	20-128		12.5	30	
Di-n-octyl phthalate	0.611	0.0895	"	0.894	ND	68.4	10-133		5.90	30	
Fluoranthene	0.583	0.0895	"	0.894	ND	65.3	10-155		9.90	30	
Fluorene	0.558	0.0895	"	0.894	ND	62.5	12-150		9.38	30	
Hexachlorobenzene	0.696	0.0895	"	0.894	ND	77.8	16-142		9.36	30	
Hexachlorobutadiene	0.554	0.0895	"	0.894	ND	62.0	11-150		22.4	30	
Hexachlorocyclopentadiene	0.0479	0.0895	"	0.894	ND	5.36	10-115	Low Bias	9.93	30	
Hexachloroethane	0.486	0.0895	"	0.894	ND	54.3	14-106		11.2	30	
Indeno(1,2,3-cd)pyrene	0.521	0.0895	"	0.894	ND	58.3	10-155		5.35	30	
Isophorone	0.605	0.0895	"	0.894	ND	67.7	14-127		8.12	30	
Naphthalene	0.573	0.0895	"	0.894	ND	64.2	15-132		7.91	30	
Nitrobenzene	0.670	0.0895	"	0.894	ND	75.0	18-125		9.04	30	
N-Nitrosodimethylamine	0.511	0.0895	"	0.894	ND	57.2	10-123		8.45	30	
N-nitroso-di-n-propylamine	0.569	0.0895	"	0.894	ND	63.7	23-115		9.34	30	
N-Nitrosodiphenylamine	0.600	0.0895	"	0.894	ND	67.1	16-166		8.97	30	
Pentachlorophenol	0.480	0.0895	"	0.894	ND	53.7	10-160		3.66	30	
Phenanthrene	0.549	0.0895	"	0.894	ND	61.4	10-151		8.27	30	
Phenol	0.619	0.0895	"	0.894	ND	69.2	11-124		8.31	30	
Pyrene	0.587	0.0895	"	0.894	ND	65.7	13-148		3.09	30	
Surrogate: 2-Fluorophenol	1.18		"	1.79		65.8	20-108				
Surrogate: Phenol-d5	1.10		"	1.79		61.4	23-114				
Surrogate: Nitrobenzene-d5	0.658		"	0.894		73.6	22-108				
Surrogate: 2-Fluorobiphenyl	0.552		"	0.894		61.8	21-113				
Surrogate: 2,4,6-Tribromophenol	1.15		"	1.79		64.5	19-110				
Surrogate: Terphenyl-d14	0.638		"	0.894		71.4	24-116				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BH80762 - EPA 3550C

Blank (BH80762-BLK1)

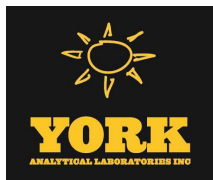
Prepared: 08/15/2018 Analyzed: 08/16/2018

4,4'-DDD	ND	0.000330	mg/kg wet								
4,4'-DDE	ND	0.000330	"								
4,4'-DDT	ND	0.000330	"								
Aldrin	ND	0.000330	"								
alpha-BHC	ND	0.000330	"								
alpha-Chlordane	ND	0.000330	"								
beta-BHC	ND	0.000330	"								
Chlordane, total	ND	0.00660	"								
delta-BHC	ND	0.000330	"								
Dieldrin	ND	0.000330	"								
Endosulfan I	ND	0.000330	"								
Endosulfan II	ND	0.000330	"								
Endosulfan sulfate	ND	0.000330	"								
Endrin	ND	0.000330	"								
Endrin aldehyde	ND	0.000330	"								
Endrin ketone	ND	0.000330	"								
gamma-BHC (Lindane)	ND	0.000330	"								
gamma-Chlordane	ND	0.000330	"								
Heptachlor	ND	0.000330	"								
Heptachlor epoxide	ND	0.000330	"								
Methoxychlor	ND	0.00165	"								
Toxaphene	ND	0.0167	"								
Surrogate: Decachlorobiphenyl	0.0475		"	0.0670		70.9	30-150				
Surrogate: Tetrachloro-m-xylene	0.0559		"	0.0673		83.0	30-150				

LCS (BH80762-BS1)

Prepared: 08/15/2018 Analyzed: 08/16/2018

4,4'-DDD	0.0380	0.000330	mg/kg wet	0.0333		114	40-140				
4,4'-DDE	0.0342	0.000330	"	0.0333		103	40-140				
4,4'-DDT	0.0387	0.000330	"	0.0333		116	40-140				
Aldrin	0.0362	0.000330	"	0.0333		109	40-140				
alpha-BHC	0.0406	0.000330	"	0.0333		122	40-140				
alpha-Chlordane	0.0347	0.000330	"	0.0333		104	40-140				
beta-BHC	0.0340	0.000330	"	0.0333		102	40-140				
delta-BHC	0.0417	0.000330	"	0.0333		125	40-140				
Dieldrin	0.0305	0.000330	"	0.0333		91.6	40-140				
Endosulfan I	0.0353	0.000330	"	0.0333		106	40-140				
Endosulfan II	0.0365	0.000330	"	0.0333		110	40-140				
Endosulfan sulfate	0.0344	0.000330	"	0.0333		103	40-140				
Endrin	0.0375	0.000330	"	0.0333		112	40-140				
Endrin aldehyde	0.0352	0.000330	"	0.0333		106	40-140				
Endrin ketone	0.0342	0.000330	"	0.0333		103	40-140				
gamma-BHC (Lindane)	0.0386	0.000330	"	0.0333		116	40-140				
gamma-Chlordane	0.0346	0.000330	"	0.0333		104	40-140				
Heptachlor	0.0338	0.000330	"	0.0333		101	40-140				
Heptachlor epoxide	0.0334	0.000330	"	0.0333		100	40-140				
Methoxychlor	0.0330	0.00165	"	0.0333		98.9	40-140				
Surrogate: Decachlorobiphenyl	0.0512		"	0.0670		76.5	30-150				
Surrogate: Tetrachloro-m-xylene	0.0585		"	0.0673		86.9	30-150				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch Y8H1714 - BH80158

Performance Mix (Y8H1714-PEM1)

Prepared & Analyzed: 08/16/2018

4,4'-DDD	0.00		ng/mL	0.00			0-200			
4,4'-DDE	1.12		"	0.00			0-200			
4,4'-DDT	331		"	200		165	0-200			
Endrin	211		"	100		211	0-200	High Bias		
Endrin aldehyde	9.16		"	0.00			0-200			
Endrin ketone	11.8		"	0.00			0-200			

Performance Mix (Y8H1714-PEM2)

Prepared & Analyzed: 08/16/2018

4,4'-DDD	0.00		ng/mL	0.00			0-200			
4,4'-DDE	0.571		"	0.00			0-200			
4,4'-DDT	331		"	200		166	0-200			
Endrin	195		"	100		195	0-200			
Endrin aldehyde	2.75		"	0.00			0-200			
Endrin ketone	4.88		"	0.00			0-200			

Performance Mix (Y8H1714-PEM3)

Prepared: 08/16/2018 Analyzed: 08/17/2018

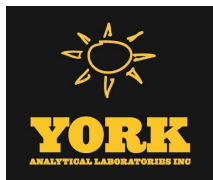
4,4'-DDD	0.00		ng/mL	0.00			0-200			
4,4'-DDE	0.984		"	0.00			0-200			
4,4'-DDT	311		"	200		155	0-200			
Endrin	205		"	100		205	0-200	High Bias		
Endrin aldehyde	2.96		"	0.00			0-200			
Endrin ketone	11.4		"	0.00			0-200			

Batch Y8H2015 - BH80158

Performance Mix (Y8H2015-PEM1)

Prepared & Analyzed: 08/17/2018

4,4'-DDD	0.00		ng/mL	0.00			0-200			
4,4'-DDE	0.766		"	0.00			0-200			
4,4'-DDT	311		"	200		156	0-200			
Endrin	189		"	100		189	0-200			
Endrin aldehyde	2.18		"	0.00			0-200			
Endrin ketone	9.22		"	0.00			0-200			



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch Y8H2015 - BH80158

Performance Mix (Y8H2015-PEM2)

Prepared & Analyzed: 08/17/2018

4,4'-DDD	0.00		ng/mL	0.00			0-200			
4,4'-DDE	0.867		"	0.00			0-200			
4,4'-DDT	288		"	200		144	0-200			
Endrin	193		"	100		193	0-200			
Endrin aldehyde	2.52		"	0.00			0-200			
Endrin ketone	10.7		"	0.00			0-200			

Performance Mix (Y8H2015-PEM3)

Prepared: 08/17/2018 Analyzed: 08/18/2018

4,4'-DDD	0.00		ng/mL	0.00			0-200			
4,4'-DDE	0.939		"	0.00			0-200			
4,4'-DDT	292		"	200		146	0-200			
Endrin	200		"	100		200	0-200			
Endrin aldehyde	2.87		"	0.00			0-200			
Endrin ketone	10.4		"	0.00			0-200			



Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BH80762 - EPA 3550C

Blank (BH80762-BLK2)

Prepared: 08/15/2018 Analyzed: 08/16/2018

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

Surrogate: Tetrachloro-m-xylene	0.0677	"	0.0673	100	30-140
Surrogate: Decachlorobiphenyl	0.0670	"	0.0670	100	30-140

LCS (BH80762-BS2)

Prepared: 08/15/2018 Analyzed: 08/16/2018

Aroclor 1016	0.360	0.0167	mg/kg wet	0.333	108	40-130
Aroclor 1260	0.355	0.0167	"	0.333	106	40-130
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>0.0680</i>		<i>"</i>	<i>0.0673</i>	<i>101</i>	<i>30-140</i>
<i>Surrogate: Decachlorobiphenyl</i>	<i>0.0670</i>		<i>"</i>	<i>0.0670</i>	<i>100</i>	<i>30-140</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

Batch BH80723 - EPA 3050B

Blank (BH80723-BLK1)

Prepared & Analyzed: 08/15/2018

Aluminum	ND	5.00	mg/kg wet
Antimony	1.38	0.500	"
Arsenic	ND	1.00	"
Barium	ND	1.00	"
Beryllium	ND	0.100	"
Cadmium	ND	0.300	"
Calcium	ND	5.00	"
Chromium	ND	0.500	"
Cobalt	ND	0.500	"
Copper	ND	0.500	"
Iron	ND	2.00	"
Lead	ND	0.500	"
Magnesium	ND	5.00	"
Manganese	ND	0.500	"
Nickel	ND	0.500	"
Potassium	10.8	5.00	"
Selenium	1.40	1.00	"
Silver	ND	0.500	"
Sodium	43.5	10.0	"
Thallium	ND	1.00	"
Vanadium	ND	1.00	"
Zinc	ND	1.50	"

Reference (BH80723-SRM1)

Prepared & Analyzed: 08/15/2018

Aluminum	7050	5.00	mg/kg wet	8040	87.7	39.4-160.5
Antimony	131	0.500	"	91.4	143	25.1-275.7
Arsenic	152	1.00	"	146	104	69.9-132.9
Barium	98.5	1.00	"	102	96.6	71.5-136.3
Beryllium	142	0.100	"	134	106	75.4-138.1
Cadmium	63.8	0.300	"	63.2	101	73.3-141.5
Calcium	5700	5.00	"	5930	96.2	73.7-136.1
Chromium	93.2	0.500	"	89.3	104	69.1-143.3
Cobalt	127	0.500	"	119	106	74.6-142
Copper	64.8	0.500	"	60.8	107	72.7-141.6
Iron	14800	2.00	"	14400	103	35.6-163.9
Lead	101	0.500	"	98.5	102	70.8-137.1
Magnesium	2450	5.00	"	2580	94.8	63.6-136.1
Manganese	392	0.500	"	370	106	75.7-134.3
Nickel	77.7	0.500	"	66.6	117	70.7-146.3
Potassium	2070	5.00	"	2340	88.6	59.8-140.2
Selenium	113	1.00	"	136	82.7	67.1-136.8
Silver	48.3	0.500	"	48.9	98.7	66.5-139.5
Sodium	394	10.0	"	318	124	40.6-159.8
Thallium	153	1.00	"	138	111	68-136.2
Vanadium	71.3	1.00	"	69.7	102	58.9-141.8
Zinc	181	1.50	"	177	102	69.5-131.1



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

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

Batch BH80724 - EPA 3050B

Blank (BH80724-BLK1)

Prepared: 08/15/2018 Analyzed: 08/20/2018

Aluminum	5.91	5.00	mg/kg wet
Antimony	ND	0.500	"
Arsenic	ND	1.00	"
Barium	ND	1.00	"
Beryllium	ND	0.100	"
Cadmium	ND	0.300	"
Calcium	ND	5.00	"
Chromium	ND	0.500	"
Cobalt	ND	0.500	"
Copper	ND	0.500	"
Iron	ND	2.00	"
Lead	ND	0.500	"
Magnesium	ND	5.00	"
Manganese	ND	0.500	"
Nickel	ND	0.500	"
Potassium	ND	5.00	"
Selenium	ND	1.00	"
Silver	ND	0.500	"
Sodium	11.6	10.0	"
Thallium	ND	1.00	"
Vanadium	ND	1.00	"
Zinc	ND	1.50	"

Reference (BH80724-SRM1)

Prepared: 08/15/2018 Analyzed: 08/20/2018

Aluminum	8270	5.00	mg/kg wet	8040	103	39.4-160.5
Antimony	113	0.500	"	91.4	124	25.1-275.7
Arsenic	164	1.00	"	146	112	69.9-132.9
Barium	112	1.00	"	102	109	71.5-136.3
Beryllium	152	0.100	"	134	113	75.4-138.1
Cadmium	68.0	0.300	"	63.2	108	73.3-141.5
Calcium	6610	5.00	"	5930	111	73.7-136.1
Chromium	97.0	0.500	"	89.3	109	69.1-143.3
Cobalt	141	0.500	"	119	118	74.6-142
Copper	69.2	0.500	"	60.8	114	72.7-141.6
Iron	14700	2.00	"	14400	102	35.6-163.9
Lead	112	0.500	"	98.5	114	70.8-137.1
Magnesium	2810	5.00	"	2580	109	63.6-136.1
Manganese	420	0.500	"	370	113	75.7-134.3
Nickel	82.5	0.500	"	66.6	124	70.7-146.3
Potassium	2610	5.00	"	2340	111	59.8-140.2
Selenium	129	1.00	"	136	94.5	67.1-136.8
Silver	52.2	0.500	"	48.9	107	66.5-139.5
Sodium	364	10.0	"	318	114	40.6-159.8
Thallium	153	1.00	"	138	111	68-136.2
Vanadium	72.2	1.00	"	69.7	104	58.9-141.8
Zinc	195	1.50	"	177	110	69.5-131.1



Mercury by EPA 7000/200 Series Methods - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BH80935 - EPA 7473 soil

Blank (BH80935-BLK1)

Prepared & Analyzed: 08/20/2018

Mercury	ND	0.0300	mg/kg wet

Reference (BH80935-SRM1)

Prepared & Analyzed: 08/20/2018

Mercury	13.003		mg/kg	13.8	94.2	57.1-143.5



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
18H0563-01	SB-1 (0'-2')	40mL Vial with Stir Bar-Cool 4° C
18H0563-02	SB-1 (21'-23')	40mL Vial with Stir Bar-Cool 4° C
18H0563-03	SB-2 (0'-2')	40mL Vial with Stir Bar-Cool 4° C
18H0563-04	SB-2 (21'-23')	40mL Vial with Stir Bar-Cool 4° C
18H0563-05	SB-3 (0'-2')	40mL Vial with Stir Bar-Cool 4° C
18H0563-06	SB-4 (0'-2')	40mL Vial with Stir Bar-Cool 4° C
18H0563-07	SB-4 (17'-19')	40mL Vial with Stir Bar-Cool 4° C
18H0563-08	SB-5 (0'-2')	40mL Vial with Stir Bar-Cool 4° C
18H0563-09	SB-5 (10'-12')	40mL Vial with Stir Bar-Cool 4° C
18H0563-10	SB-6 (0'-2')	40mL Vial with Stir Bar-Cool 4° C
18H0563-11	SB-6 (10'-12')	40mL Vial with Stir Bar-Cool 4° C
18H0563-12	SB-7 (0'-2')	40mL Vial with Stir Bar-Cool 4° C
18H0563-13	SB-7 (10'-12')	40mL Vial with Stir Bar-Cool 4° C
18H0563-14	SB-8 (0'-2')	40mL Vial with Stir Bar-Cool 4° C
18H0563-15	SB-8 (17'-19')	2 oz. WM Clear Glass Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

S-GC	Two surrogates are used for this analysis. One surrogate recovered within control limits therefore the analysis is acceptable.
S-08	The recovery of this surrogate was outside of QC limits.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data are acceptable.
QL-03	This LCS analyte recovered outside of acceptance limits. The LCS contains approximately 70 compounds, a limited number of which may be outside acceptance windows.
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-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.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
IS-LO	The internal std associated with this target compound did not meet acceptance criteria (area <50% CCV) at the stated dilution due to matrix effects. Sample was rerun to confirm matrix effects.
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.

Field Chain-of-Custody Record

YORK Project No. 18H0563

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

Your signature binds you to YORK's Standard Terms & Conditions.

Page 2 of 2

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YORK

YOUR INFORMATION			Report To:			Invoice To:			YOUR Project Number			Turn-Around Time		
Company: GEI Consultants	Company: GEI Consultants	Company: GEI Consultants	Company: GEI Consultants	Company: GEI Consultants	Company: GEI Consultants	Company: GEI Consultants	Company: GEI Consultants	Company: GEI Consultants	Company: GEI Consultants	Company: GEI Consultants	Company: GEI Consultants	Company: GEI Consultants	Company: GEI Consultants	Company: GEI Consultants
Address: 110 Wallington Road	Address: 110 Wallington Road	Address: 110 Wallington Road	Address: 110 Wallington Road	Address: 110 Wallington Road	Address: 110 Wallington Road	Address: 110 Wallington Road	Address: 110 Wallington Road	Address: 110 Wallington Road	Address: 110 Wallington Road	Address: 110 Wallington Road	Address: 110 Wallington Road	Address: 110 Wallington Road	Address: 110 Wallington Road	Address: 110 Wallington Road
Phone: 631-760-9300	Phone: 631-760-9300	Phone: 631-760-9300	Phone: 631-760-9300	Phone: 631-760-9300	Phone: 631-760-9300	Phone: 631-760-9300	Phone: 631-760-9300	Phone: 631-760-9300	Phone: 631-760-9300	Phone: 631-760-9300	Phone: 631-760-9300	Phone: 631-760-9300	Phone: 631-760-9300	Phone: 631-760-9300
Contact: William J. Fitchett	Contact: William J. Fitchett	Contact: William J. Fitchett	Contact: William J. Fitchett	Contact: William J. Fitchett	Contact: William J. Fitchett	Contact: William J. Fitchett	Contact: William J. Fitchett	Contact: William J. Fitchett	Contact: William J. Fitchett	Contact: William J. Fitchett	Contact: William J. Fitchett	Contact: William J. Fitchett	Contact: William J. Fitchett	Contact: William J. Fitchett
E-mail: WJFitchett@geiconsultants.com	E-mail: WJFitchett@geiconsultants.com	E-mail: WJFitchett@geiconsultants.com	E-mail: WJFitchett@geiconsultants.com	E-mail: WJFitchett@geiconsultants.com	E-mail: WJFitchett@geiconsultants.com	E-mail: WJFitchett@geiconsultants.com	E-mail: WJFitchett@geiconsultants.com	E-mail: WJFitchett@geiconsultants.com	E-mail: WJFitchett@geiconsultants.com	E-mail: WJFitchett@geiconsultants.com	E-mail: WJFitchett@geiconsultants.com	E-mail: WJFitchett@geiconsultants.com	E-mail: WJFitchett@geiconsultants.com	E-mail: WJFitchett@geiconsultants.com
Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.			Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.			Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.			Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.			Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.		
Samples Collected by: (print your name above and sign below)			Samples Collected by: (print your name above and sign below)			Samples Collected by: (print your name above and sign below)			Samples Collected by: (print your name above and sign below)			Samples Collected by: (print your name above and sign below)		
William J. Fitchett			William J. Fitchett			William J. Fitchett			William J. Fitchett			William J. Fitchett		
WJF			WJF			WJF			WJF			WJF		
Sample Identification			Sample Matrix			Date/Time Sampled			Analysis Requested			Container Description		
SB-1 (0'-2')			S			8/10/18 1540			TCL VOCs/SVOCs, TAL Metals, PCBs, Pesticides			Leachate KI, one 4oz		
SB-1 (10'-12')			S			8/10/18 1600			82605 (8/21/18)			one 8-oz jar		
SB-2 (0'-2')			S			8/10/18 1021								
SB-2 (21'-23')			S			8/10/18 1055								
SB-3 (0'-2')			S			8/10/18 1436								
SB-4 (0'-2')			S			8/10/18 1315								
SB-4 (17'-19')			S			8/10/18 1325								
SB-5 (0'-2')			S			8/10/18 1125								
SB-5 (10'-12')			S			8/10/18 1146								
SB-6 (0'-2')			S			8/10/18 1207								
Comments:														
Preservation: (check all that apply)														
HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___ ZnAc ___														
Ascorbic Acid ___ Other: ___														
Date/Time			Date/Time			Date/Time			Date/Time			Date/Time		
8/13/18 1025AM			8/13/18 1025AM			8/13/18 1025AM			8/13/18 1025AM			8/13/18 1025AM		
Samples Relinquished by / Company			Samples Relinquished by / Company			Samples Relinquished by / Company			Samples Relinquished by / Company			Samples Relinquished by / Company		
WJF / GEI			WJF / GEI			WJF / GEI			WJF / GEI			WJF / GEI		
Date/Time			Date/Time			Date/Time			Date/Time			Date/Time		
8/13/18 1025AM			8/13/18 1025AM			8/13/18 1025AM			8/13/18 1025AM			8/13/18 1025AM		
Samples Received by / Company			Samples Received by / Company			Samples Received by / Company			Samples Received by / Company			Samples Received by / Company		
WJF / GEI			WJF / GEI			WJF / GEI			WJF / GEI			WJF / GEI		
Date/Time			Date/Time			Date/Time			Date/Time			Date/Time		
8/13/18 1025AM			8/13/18 1025AM			8/13/18 1025AM			8/13/18 1025AM			8/13/18 1025AM		
Samples Relinquished by / Company			Samples Relinquished by / Company			Samples Relinquished by / Company			Samples Relinquished by / Company			Samples Relinquished by / Company		
WJF / GEI			WJF / GEI			WJF / GEI			WJF / GEI			WJF / GEI		
Date/Time			Date/Time			Date/Time			Date/Time			Date/Time		
8/13/18 1025AM			8/13/18 1025AM			8/13/18 1025AM			8/13/18 1025AM			8/13/18 1025AM		
Samples Received by / Company			Samples Received by / Company			Samples Received by / Company			Samples Received by / Company			Samples Received by / Company		
WJF / GEI			WJF / GEI			WJF								

Field Chain-of-Custody Record

YORK Project No.

1840563

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

Page 2 of 2

[illegible]



Technical Report

prepared for:

GEI Consultants, Inc
110 Walt Whitman Road, Suite 204
Huntington Station NY, 11746
Attention: Wendy Monterosso

Report Date: 08/21/2018
Client Project ID: 580 Gerard Ave
York Project (SDG) No.: 18H0570

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

120 RESEARCH DRIVE
www.YORKLAB.com

STRATFORD, CT 06615
(203) 325-1371



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

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 08/21/2018
Client Project ID: 580 Gerard Ave
York Project (SDG) No.: 18H0570

GEI Consultants, Inc
110 Walt Whitman Road, Suite 204
Huntington Station NY, 11746
Attention: Wendy Monterosso

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 13, 2018 and listed below. The project was identified as your project: **580 Gerard Ave.**

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>
18H0570-01	SB-2 (GW)	Water	08/10/2018	08/13/2018
18H0570-02	Trip Blank	Water	08/10/2018	08/13/2018

General Notes for York Project (SDG) No.: 18H0570

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: 08/21/2018





Sample Information

Client Sample ID: SB-2 (GW)

York Sample ID: 18H0570-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H0570

580 Gerard Ave

Water

August 10, 2018 5:15 pm

08/13/2018

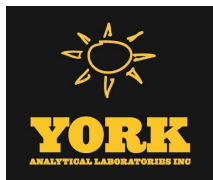
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
95-63-6	1,2,4-Trimethylbenzene	1200		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/17/2018 07:30	08/17/2018 13:44	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
108-67-8	1,3,5-Trimethylbenzene	340		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
123-91-1	1,4-Dioxane	ND		ug/L	200	1000	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
78-93-3	2-Butanone	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
591-78-6	2-Hexanone	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS



Sample Information

Client Sample ID: SB-2 (GW)

York Sample ID: 18H0570-01

York Project (SDG) No.
18H0570

Client Project ID
580 Gerard Ave

Matrix
Water

Collection Date/Time
August 10, 2018 5:15 pm

Date Received
08/13/2018

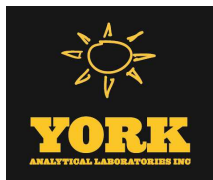
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
67-64-1	Acetone	ND		ug/L	5.0	10	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
107-02-8	Acrolein	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
107-13-1	Acrylonitrile	ND		ug/L	1.0	10	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
71-43-2	Benzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
74-97-5	Bromochloromethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
75-27-4	Bromodichloromethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
75-25-2	Bromoform	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
74-83-9	Bromomethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
75-15-0	Carbon disulfide	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
56-23-5	Carbon tetrachloride	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
108-90-7	Chlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
75-00-3	Chloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
67-66-3	Chloroform	10		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
74-87-3	Chloromethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
110-82-7	Cyclohexane	95		ug/L	1.0	2.5	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
124-48-1	Dibromochloromethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
74-95-3	Dibromomethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
100-41-4	Ethyl Benzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS



Sample Information

Client Sample ID: SB-2 (GW)

York Sample ID: 18H0570-01

York Project (SDG) No.
18H0570

Client Project ID
580 Gerard Ave

Matrix
Water

Collection Date/Time
August 10, 2018 5:15 pm

Date Received
08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-82-8	Isopropylbenzene	47		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
79-20-9	Methyl acetate	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
108-87-2	Methyleyclohexane	180		ug/L	1.0	2.5	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
75-09-2	Methylene chloride	ND		ug/L	5.0	10	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
104-51-8	n-Butylbenzene	43		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
103-65-1	n-Propylbenzene	110		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
95-47-6	o-Xylene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
179601-23-1	p- & m- Xylenes	3.2	SCAL- E, J	ug/L	2.5	5.0	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
99-87-6	p-Isopropyltoluene	7.2		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
135-98-8	sec-Butylbenzene	12		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
100-42-5	Styrene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	2.5	12	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
98-06-6	tert-Butylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
127-18-4	Tetrachloroethylene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
108-88-3	Toluene	1.6	J	ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/16/2018 07:30	08/16/2018 18:45	SS
79-01-6	Trichloroethylene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
75-01-4	Vinyl Chloride	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 18:45	SS
1330-20-7	Xylenes, Total	3.2	J	ug/L	3.0	7.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/16/2018 07:30	08/16/2018 18:45	SS



Sample Information

Client Sample ID: SB-2 (GW)

York Sample ID: 18H0570-01

York Project (SDG) No.
18H0570

Client Project ID
580 Gerard Ave

Matrix
Water

Collection Date/Time
August 10, 2018 5:15 pm

Date Received
08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	118 %			69-130						
2037-26-5	Surrogate: Toluene-d8	98.6 %			81-117						
460-00-4	Surrogate: p-Bromofluorobenzene	91.3 %			79-122						

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 17:39	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 17:39	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 17:39	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/14/2018 08:30	08/15/2018 17:39	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 17:39	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/14/2018 08:30	08/15/2018 17:39	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/14/2018 08:30	08/15/2018 17:39	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 17:39	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 17:39	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 17:39	KH
120-83-2	2,4-Dichlorophenol	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 17:39	KH
105-67-9	2,4-Dimethylphenol	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 17:39	KH
51-28-5	2,4-Dinitrophenol	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 17:39	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 17:39	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 17:39	KH
91-58-7	2-Chloronaphthalene	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 17:39	KH
95-57-8	2-Chlorophenol	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 17:39	KH
91-57-6	2-Methylnaphthalene	96.6		ug/L	15.6	31.2	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/17/2018 13:01	KH



Sample Information

Client Sample ID: SB-2 (GW)

York Sample ID: 18H0570-01

York Project (SDG) No.
18H0570

Client Project ID
580 Gerard Ave

Matrix
Water

Collection Date/Time
August 10, 2018 5:15 pm

Date Received
08/13/2018

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	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 17:39	KH
88-74-4	2-Nitroaniline	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 17:39	KH
88-75-5	2-Nitrophenol	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 17:39	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 17:39	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 17:39	KH
99-09-2	3-Nitroaniline	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 17:39	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 17:39	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 17:39	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 17:39	KH
106-47-8	4-Chloroaniline	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 17:39	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 17:39	KH
100-01-6	4-Nitroaniline	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 17:39	KH
100-02-7	4-Nitrophenol	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 17:39	KH
83-32-9	Acenaphthene	0.100		ug/L	0.0625	0.0625	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 10:11	SR
208-96-8	Acenaphthylene	ND		ug/L	0.0625	0.0625	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 10:11	SR
98-86-2	Acetophenone	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 17:39	KH
62-53-3	Aniline	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 17:39	KH
120-12-7	Anthracene	ND		ug/L	0.0625	0.0625	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 10:11	SR
1912-24-9	Atrazine	ND		ug/L	0.625	0.625	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 10:11	SR
100-52-7	Benzaldehyde	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 17:39	KH
92-87-5	Benzidine	ND		ug/L	12.5	25.0	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 17:39	KH
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0625	0.0625	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 10:11	SR
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0625	0.0625	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 10:11	SR



Sample Information

Client Sample ID: SB-2 (GW)

York Sample ID: 18H0570-01

York Project (SDG) No.
18H0570

Client Project ID
580 Gerard Ave

Matrix
Water

Collection Date/Time
August 10, 2018 5:15 pm

Date Received
08/13/2018

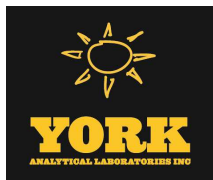
Semi-Volatiles, 8270 - Comprehensive

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
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0625	0.0625	1	EPA 8270D Certifications:	08/14/2018 08:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 10:11	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0625	0.0625	1	EPA 8270D Certifications:	08/14/2018 08:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 10:11	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0625	0.0625	1	EPA 8270D Certifications:	08/14/2018 08:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 10:11	SR
65-85-0	Benzoic acid	ND		ug/L	31.2	62.5	1	EPA 8270D Certifications:	08/14/2018 08:30 NELAC-NY10854,NJDEP,PADEP	08/15/2018 17:39	KH
100-51-6	Benzyl alcohol	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications:	08/14/2018 08:30 NELAC-NY10854,NJDEP,PADEP	08/15/2018 17:39	KH
85-68-7	Benzyl butyl phthalate	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications:	08/14/2018 08:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 17:39	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications:	08/14/2018 08:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 17:39	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications:	08/14/2018 08:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 17:39	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications:	08/14/2018 08:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 17:39	KH
117-81-7	Bis(2-ethylhexyl)phthalate	0.750		ug/L	0.625	0.625	1	EPA 8270D Certifications:	08/14/2018 08:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 10:11	SR
105-60-2	Caprolactam	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications:	08/14/2018 08:30 NELAC-NY10854,NJDEP,PADEP	08/15/2018 17:39	KH
86-74-8	Carbazole	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications:	08/14/2018 08:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 17:39	KH
218-01-9	Chrysene	ND		ug/L	0.0625	0.0625	1	EPA 8270D Certifications:	08/14/2018 08:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 10:11	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0625	0.0625	1	EPA 8270D Certifications:	08/14/2018 08:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 10:11	SR
132-64-9	Dibenzofuran	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications:	08/14/2018 08:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 17:39	KH
84-66-2	Diethyl phthalate	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications:	08/14/2018 08:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 17:39	KH
131-11-3	Dimethyl phthalate	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications:	08/14/2018 08:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 17:39	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications:	08/14/2018 08:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 17:39	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications:	08/14/2018 08:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 17:39	KH
206-44-0	Fluoranthene	ND		ug/L	0.0625	0.0625	1	EPA 8270D Certifications:	08/14/2018 08:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 10:11	SR
86-73-7	Fluorene	0.100		ug/L	0.0625	0.0625	1	EPA 8270D Certifications:	08/14/2018 08:30 NELAC-NY10854,NJDEP,PADEP	08/15/2018 10:11	SR
118-74-1	Hexachlorobenzene	ND		ug/L	0.0250	0.0250	1	EPA 8270D Certifications:	08/14/2018 08:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 10:11	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.625	0.625	1	EPA 8270D Certifications:	08/14/2018 08:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 10:11	SR



Sample Information

Client Sample ID: SB-2 (GW)

York Sample ID: 18H0570-01

York Project (SDG) No.
18H0570

Client Project ID
580 Gerard Ave

Matrix
Water

Collection Date/Time
August 10, 2018 5:15 pm

Date Received
08/13/2018

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
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 17:39	KH
67-72-1	Hexachloroethane	ND		ug/L	0.625	0.625	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 10:11	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0625	0.0625	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 10:11	SR
78-59-1	Isophorone	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 17:39	KH
91-20-3	Naphthalene	19.6		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 17:39	KH
98-95-3	Nitrobenzene	ND		ug/L	0.312	0.312	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 10:11	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.625	0.625	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 10:11	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 17:39	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 17:39	KH
87-86-5	Pentachlorophenol	ND		ug/L	0.312	0.312	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 10:11	SR
85-01-8	Phenanthrene	0.150		ug/L	0.0625	0.0625	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 10:11	SR
108-95-2	Phenol	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 17:39	KH
129-00-0	Pyrene	ND		ug/L	0.0625	0.0625	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 17:39	KH
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	42.1 %	19.7-63.1								
4165-62-2	Surrogate: Phenol-d5	25.3 %	10.1-41.7								
4165-60-0	Surrogate: Nitrobenzene-d5	80.3 %	50.2-113								
321-60-8	Surrogate: 2-Fluorobiphenyl	84.4 %	39.9-105								
118-79-6	Surrogate: 2,4,6-Tribromophenol	94.1 %	39.3-151								
1718-51-0	Surrogate: Terphenyl-d14	101 %	30.7-106								

Pesticides, 8081 target list

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:21	08/20/2018 15:05	LAB
72-55-9	4,4'-DDE	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:21	08/20/2018 15:05	LAB
50-29-3	4,4'-DDT	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:21	08/20/2018 15:05	LAB



York Sample ID: 18H0570-01

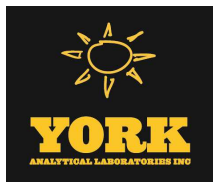
Date Received
08/13/2018

Sample Notes: EXT-EM

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		ug/L	0.00457	1	EPA 8081B Certifications:	08/14/2018 08:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2018 15:05	LAB
319-84-6	alpha-BHC	ND		ug/L	0.00457	1	EPA 8081B Certifications:	08/14/2018 08:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2018 15:05	LAB
5103-71-9	alpha-Chlordane	ND		ug/L	0.00457	1	EPA 8081B Certifications:	08/14/2018 08:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2018 15:05	LAB
319-85-7	beta-BHC	ND		ug/L	0.00457	1	EPA 8081B Certifications:	08/14/2018 08:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2018 15:05	LAB
57-74-9	Chlordane, total	ND		ug/L	0.0229	1	EPA 8081B Certifications:	08/14/2018 08:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2018 15:05	LAB
319-86-8	delta-BHC	ND		ug/L	0.00457	1	EPA 8081B Certifications:	08/14/2018 08:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2018 15:05	LAB
60-57-1	Dieldrin	ND		ug/L	0.00229	1	EPA 8081B Certifications:	08/14/2018 08:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2018 15:05	LAB
959-98-8	Endosulfan I	ND		ug/L	0.00457	1	EPA 8081B Certifications:	08/14/2018 08:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2018 15:05	LAB
33213-65-9	Endosulfan II	ND		ug/L	0.00457	1	EPA 8081B Certifications:	08/14/2018 08:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2018 15:05	LAB
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00457	1	EPA 8081B Certifications:	08/14/2018 08:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2018 15:05	LAB
72-20-8	Endrin	ND		ug/L	0.00457	1	EPA 8081B Certifications:	08/14/2018 08:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2018 15:05	LAB
7421-93-4	Endrin aldehyde	ND		ug/L	0.0114	1	EPA 8081B Certifications:	08/14/2018 08:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2018 15:05	LAB
53494-70-5	Endrin ketone	ND		ug/L	0.0114	1	EPA 8081B Certifications:	08/14/2018 08:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2018 15:05	LAB
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00457	1	EPA 8081B Certifications:	08/14/2018 08:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2018 15:05	LAB
5566-34-7	gamma-Chlordane	ND		ug/L	0.0114	1	EPA 8081B Certifications:	08/14/2018 08:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2018 15:05	LAB
76-44-8	Heptachlor	ND		ug/L	0.00457	1	EPA 8081B Certifications:	08/14/2018 08:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2018 15:05	LAB
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00457	1	EPA 8081B Certifications:	08/14/2018 08:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2018 15:05	LAB
72-43-5	Methoxychlor	ND		ug/L	0.00457	1	EPA 8081B Certifications:	08/14/2018 08:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2018 15:05	LAB
8001-35-2	Toxaphene	ND		ug/L	0.114	1	EPA 8081B Certifications:	08/14/2018 08:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2018 15:05	LAB
	Surrogate Recoveries	Result		Acceptance Range						
2051-24-3	<i>Surrogate: Decachlorobiphenyl</i>	<i>59.9 %</i>		<i>30-150</i>						
877-09-8	<i>Surrogate: Tetrachloro-m-xylene</i>	<i>47.2 %</i>		<i>30-150</i>						

Sample Notes: EXT-EM

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



Sample Information

Client Sample ID: SB-2 (GW)

York Sample ID: 18H0570-01

<u>York Project (SDG) No.</u> 18H0570	<u>Client Project ID</u> 580 Gerard Ave	<u>Matrix</u> Water	<u>Collection Date/Time</u> August 10, 2018 5:15 pm	<u>Date Received</u> 08/13/2018

12674-11-2	Aroclor 1016	ND	ug/L	0.0571	1	EPA 8082A Certifications:	08/14/2018 08:21 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/20/2018 14:47	LAB
11104-28-2	Aroclor 1221	ND	ug/L	0.0571	1	EPA 8082A Certifications:	08/14/2018 08:21 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/20/2018 14:47	LAB
11141-16-5	Aroclor 1232	ND	ug/L	0.0571	1	EPA 8082A Certifications:	08/14/2018 08:21 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/20/2018 14:47	LAB
53469-21-9	Aroclor 1242	ND	ug/L	0.0571	1	EPA 8082A Certifications:	08/14/2018 08:21 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/20/2018 14:47	LAB
12672-29-6	Aroclor 1248	ND	ug/L	0.0571	1	EPA 8082A Certifications:	08/14/2018 08:21 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/20/2018 14:47	LAB
11097-69-1	Aroclor 1254	ND	ug/L	0.0571	1	EPA 8082A Certifications:	08/14/2018 08:21 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/20/2018 14:47	LAB
11096-82-5	Aroclor 1260	ND	ug/L	0.0571	1	EPA 8082A Certifications:	08/14/2018 08:21 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/20/2018 14:47	LAB
1336-36-3	* Total PCBs	ND	ug/L	0.0571	1	EPA 8082A Certifications:	08/14/2018 08:21 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/20/2018 14:47	LAB

Surrogate Recoveries		Result	Acceptance Range
877-09-8	Surrogate: Tetrachloro-m-xylene	62.9 %	30-120
2051-24-3	Surrogate: Decachlorobiphenyl	%	30-120

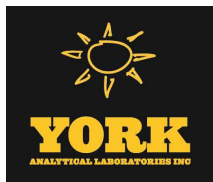
Metals, TAL, ICPMS

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
7429-90-5	Aluminum	830		ug/L	10.0	1	EPA 6020A Certifications:	08/15/2018 10:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/21/2018 18:43	ZZZ
7440-36-0	Antimony	ND		ug/L	1.00	1	EPA 6020A Certifications:	08/15/2018 10:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/21/2018 18:43	ZZZ
7440-38-2	Arsenic	ND		ug/L	1.00	1	EPA 6020A Certifications:	08/15/2018 10:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/21/2018 18:43	ZZZ
7440-39-3	Barium	68.0		ug/L	1.00	1	EPA 6020A Certifications:	08/15/2018 10:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/21/2018 18:43	ZZZ
7440-41-7	Beryllium	ND		ug/L	0.300	1	EPA 6020A Certifications:	08/15/2018 10:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/21/2018 18:43	ZZZ
7440-43-9	Cadmium	0.746		ug/L	0.500	1	EPA 6020A Certifications:	08/15/2018 10:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/21/2018 18:43	ZZZ
7440-47-3	Chromium	4.79		ug/L	1.00	1	EPA 6020A Certifications:	08/15/2018 10:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/21/2018 18:43	ZZZ
7440-48-4	Cobalt	2.94		ug/L	1.00	1	EPA 6020A Certifications:	08/15/2018 10:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/21/2018 18:43	ZZZ
7440-50-8	Copper	11.0		ug/L	1.00	1	EPA 6020A Certifications:	08/15/2018 10:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/21/2018 18:43	ZZZ
7439-89-6	Iron	1730	B	ug/L	10.0	1	EPA 6020A Certifications:	08/15/2018 10:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/21/2018 18:43	ZZZ
7439-92-1	Lead	22.3		ug/L	1.00	1	EPA 6020A Certifications:	08/15/2018 10:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/21/2018 18:43	ZZZ
7439-96-5	Manganese	111		ug/L	1.00	1	EPA 6020A Certifications:	08/15/2018 10:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/21/2018 18:43	ZZZ



Sample Information

Client Sample ID: SB-2 (GW)

York Sample ID: 18H0570-01

York Project (SDG) No.

18H0570

Client Project ID

580 Gerard Ave

Matrix

Water

Collection Date/Time

August 10, 2018 5:15 pm

Date Received

08/13/2018

Metals, TAL, 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
7440-02-0	Nickel	3.40		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 10:59	08/21/2018 18:43	ZZZ
7782-49-2	Selenium	ND		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 10:59	08/21/2018 18:43	ZZZ
7440-22-4	Silver	ND		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 10:59	08/21/2018 18:43	ZZZ
7440-28-0	Thallium	ND		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 10:59	08/21/2018 18:43	ZZZ
7440-62-2	Vanadium	3.51		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 10:59	08/21/2018 18:43	ZZZ
7440-66-6	Zinc	19.9		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 10:59	08/21/2018 18:43	ZZZ

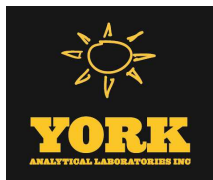
Metals, TAL, ICPMS Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	396		ug/L	10.0	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 11:01	08/20/2018 17:55	BML
7440-36-0	Antimony	ND		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 11:01	08/20/2018 17:55	BML
7440-38-2	Arsenic	ND		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 11:01	08/20/2018 17:55	BML
7440-39-3	Barium	68.7		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 11:01	08/20/2018 17:55	BML
7440-41-7	Beryllium	ND		ug/L	0.300	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 11:01	08/20/2018 17:55	BML
7440-43-9	Cadmium	0.760		ug/L	0.500	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 11:01	08/20/2018 17:55	BML
7440-47-3	Chromium	3.17		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 11:01	08/20/2018 17:55	BML
7440-48-4	Cobalt	2.51		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 11:01	08/20/2018 17:55	BML
7440-50-8	Copper	6.75		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 11:01	08/20/2018 17:55	BML
7439-89-6	Iron	1290		ug/L	10.0	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 11:01	08/20/2018 17:55	BML
7439-92-1	Lead	19.6		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 11:01	08/20/2018 17:55	BML
7439-96-5	Manganese	105		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 11:01	08/20/2018 17:55	BML
7440-02-0	Nickel	2.42		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 11:01	08/20/2018 17:55	BML
7782-49-2	Selenium	ND		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 11:01	08/20/2018 17:55	BML



Sample Information

Client Sample ID: SB-2 (GW)

York Sample ID: 18H0570-01

York Project (SDG) No.
18H0570

Client Project ID
580 Gerard Ave

Matrix
Water

Collection Date/Time
August 10, 2018 5:15 pm

Date Received
08/13/2018

Metals, TAL, ICPMS Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-22-4	Silver	ND		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 11:01	08/20/2018 17:55	BML
7440-28-0	Thallium	ND		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 11:01	08/20/2018 17:55	BML
7440-62-2	Vanadium	1.40		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 11:01	08/20/2018 17:55	BML
7440-66-6	Zinc	18.8		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 11:01	08/20/2018 17:55	BML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		ug/L	0.20	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2018 09:12	08/20/2018 14:26	SY

Mercury by 7473, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002000	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2018 09:14	08/20/2018 12:24	SY

Sample Information

Client Sample ID: Trip Blank

York Sample ID: 18H0570-02

York Project (SDG) No.
18H0570

Client Project ID
580 Gerard Ave

Matrix
Water

Collection Date/Time
August 10, 2018 3:00 pm

Date Received
08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 18H0570-02

York Project (SDG) No.
18H0570

Client Project ID
580 Gerard Ave

Matrix
Water

Collection Date/Time
August 10, 2018 3:00 pm

Date Received
08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
123-91-1	1,4-Dioxane	ND		ug/L	40	200	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
107-13-1	Acrylonitrile	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 18H0570-02

York Project (SDG) No.
18H0570

Client Project ID
580 Gerard Ave

Matrix
Water

Collection Date/Time
August 10, 2018 3:00 pm

Date Received
08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 18H0570-02

York Project (SDG) No.
18H0570

Client Project ID
580 Gerard Ave

Matrix
Water

Collection Date/Time
August 10, 2018 3:00 pm

Date Received
08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	2.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/15/2018 15:52	08/16/2018 01:04	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/15/2018 15:52	08/16/2018 01:04	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/15/2018 15:52	08/16/2018 01:04	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	103 %	69-130								
2037-26-5	Surrogate: Toluene-d8	101 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	106 %	79-122								



Analytical Batch Summary

Batch ID: BH80646 **Preparation Method:** EPA SW846-3510C Low Level **Prepared By:** TMP

YORK Sample ID	Client Sample ID	Preparation Date
18H0570-01	SB-2 (GW)	08/14/18
18H0570-01	SB-2 (GW)	08/14/18
BH80646-BLK1	Blank	08/14/18
BH80646-BLK2	Blank	08/14/18
BH80646-BS1	LCS	08/14/18
BH80646-BS2	LCS	08/14/18
BH80646-BSD2	LCS Dup	08/14/18

Batch ID: BH80648 **Preparation Method:** EPA 3510C **Prepared By:** TMP

YORK Sample ID	Client Sample ID	Preparation Date
18H0570-01	SB-2 (GW)	08/14/18
18H0570-01RE1	SB-2 (GW)	08/14/18
BH80648-BLK1	Blank	08/14/18
BH80648-BLK2	Blank	08/14/18
BH80648-BS1	LCS	08/14/18
BH80648-BS2	LCS	08/14/18
BH80648-BSD1	LCS Dup	08/14/18

Batch ID: BH80751 **Preparation Method:** EPA 3015A **Prepared By:** BML

YORK Sample ID	Client Sample ID	Preparation Date
18H0570-01	SB-2 (GW)	08/15/18
BH80751-BLK1	Blank	08/15/18
BH80751-BS1	LCS	08/15/18

Batch ID: BH80752 **Preparation Method:** EPA 3015A **Prepared By:** BML

YORK Sample ID	Client Sample ID	Preparation Date
18H0570-01	SB-2 (GW)	08/15/18
BH80752-BLK1	Blank	08/15/18
BH80752-BS1	LCS	08/15/18

Batch ID: BH80772 **Preparation Method:** EPA 5030B **Prepared By:** RDS

YORK Sample ID	Client Sample ID	Preparation Date
18H0570-02	Trip Blank	08/15/18
BH80772-BLK1	Blank	08/15/18
BH80772-BS1	LCS	08/15/18
BH80772-BSD1	LCS Dup	08/15/18



Batch ID: BH80792

Preparation Method: EPA 5030B

Prepared By: TAB

YORK Sample ID	Client Sample ID	Preparation Date
18H0570-01	SB-2 (GW)	08/16/18
BH80792-BLK1	Blank	08/16/18
BH80792-BS1	LCS	08/16/18
BH80792-BSD1	LCS Dup	08/16/18

Batch ID: BH80893

Preparation Method: EPA 5030B

Prepared By: RDS

YORK Sample ID	Client Sample ID	Preparation Date
18H0570-01RE1	SB-2 (GW)	08/17/18
BH80893-BLK1	Blank	08/17/18
BH80893-BS1	LCS	08/17/18
BH80893-BSD1	LCS Dup	08/17/18

Batch ID: BH80937

Preparation Method: EPA 7473 water

Prepared By: KML

YORK Sample ID	Client Sample ID	Preparation Date
18H0570-01	SB-2 (GW)	08/20/18
BH80937-BLK1	Blank	08/20/18
BH80937-SRM1	Reference	08/20/18

Batch ID: BH80938

Preparation Method: EPA 7473 water

Prepared By: KML

YORK Sample ID	Client Sample ID	Preparation Date
18H0570-01	SB-2 (GW)	08/20/18
BH80938-BLK1	Blank	08/20/18
BH80938-SRM1	Reference	08/20/18



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 BH80772 - EPA 5030B											
Blank (BH80772-BLK1)											
Prepared: 08/15/2018 Analyzed: 08/16/2018											
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,3-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	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	40	"								
2-Butanone	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Acrolein	ND	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
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	"								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								
Methylene chloride	ND	2.0	"								



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 BH80772 - EPA 5030B

Blank (BH80772-BLK1)

Prepared: 08/15/2018 Analyzed: 08/16/2018

n-Butylbenzene	ND	0.50	ug/L
n-Propylbenzene	ND	0.50	"
o-Xylene	ND	0.50	"
p- & m- Xylenes	ND	1.0	"
p-Isopropyltoluene	ND	0.50	"
sec-Butylbenzene	ND	0.50	"
Styrene	ND	0.50	"
tert-Butyl alcohol (TBA)	ND	1.0	"
tert-Butylbenzene	ND	0.50	"
Tetrachloroethylene	ND	0.50	"
Toluene	ND	0.50	"
trans-1,2-Dichloroethylene	ND	0.50	"
trans-1,3-Dichloropropylene	ND	0.50	"
trans-1,4-dichloro-2-butene	ND	0.50	"
Trichloroethylene	ND	0.50	"
Trichlorofluoromethane	ND	0.50	"
Vinyl Chloride	ND	0.50	"
Xylenes, Total	ND	1.5	"

Surrogate: 1,2-Dichloroethane-d4	10.8	"	10.0	108	69-130
Surrogate: Toluene-d8	10.0	"	10.0	100	81-117
Surrogate: p-Bromofluorobenzene	10.6	"	10.0	106	79-122

LCS (BH80772-BS1)

Prepared & Analyzed: 08/15/2018

1,1,1,2-Tetrachloroethane	10	ug/L	10.0	102	82-126
1,1,1-Trichloroethane	9.9	"	10.0	99.4	78-136
1,1,2,2-Tetrachloroethane	9.6	"	10.0	95.8	76-129
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10	"	10.0	99.9	54-165
1,1,2-Trichloroethane	9.7	"	10.0	97.4	82-123
1,1-Dichloroethane	10	"	10.0	103	82-129
1,1-Dichloroethylene	10	"	10.0	101	68-138
1,2,3-Trichlorobenzene	10	"	10.0	103	76-136
1,2,3-Trichloropropane	9.8	"	10.0	98.2	77-128
1,2,4-Trichlorobenzene	9.8	"	10.0	97.6	76-137
1,2,4-Trimethylbenzene	10	"	10.0	102	82-132
1,2-Dibromo-3-chloropropane	9.7	"	10.0	97.3	45-147
1,2-Dibromoethane	9.8	"	10.0	98.3	83-124
1,2-Dichlorobenzene	9.9	"	10.0	98.7	79-123
1,2-Dichloroethane	11	"	10.0	107	73-132
1,2-Dichloropropane	10	"	10.0	100	78-126
1,3,5-Trimethylbenzene	10	"	10.0	103	80-131
1,3-Dichlorobenzene	9.9	"	10.0	98.8	86-122
1,4-Dichlorobenzene	9.7	"	10.0	96.7	85-124
1,4-Dioxane	250	"	210	120	10-349
2-Butanone	10	"	10.0	102	49-152
2-Hexanone	11	"	10.0	106	51-146
4-Methyl-2-pentanone	11	"	10.0	109	57-145
Acetone	11	"	10.0	108	14-150
Acrolein	7.1	"	10.0	70.8	10-153
Acrylonitrile	7.9	"	10.0	79.0	51-150
Benzene	9.8	"	10.0	98.5	85-126
Bromochloromethane	10	"	10.0	102	77-128



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 BH80772 - EPA 5030B

LCS (BH80772-BS1)

Prepared & Analyzed: 08/15/2018

Bromodichloromethane	10		ug/L	10.0		101	79-128				
Bromoform	9.6		"	10.0		96.4	78-133				
Bromomethane	9.2		"	10.0		91.7	43-168				
Carbon disulfide	10		"	10.0		104	68-146				
Carbon tetrachloride	10		"	10.0		99.7	77-141				
Chlorobenzene	10		"	10.0		101	88-120				
Chloroethane	9.6		"	10.0		95.5	65-136				
Chloroform	9.9		"	10.0		98.6	82-128				
Chloromethane	9.1		"	10.0		90.7	43-155				
cis-1,2-Dichloroethylene	9.9		"	10.0		99.1	83-129				
cis-1,3-Dichloropropylene	9.9		"	10.0		99.1	80-131				
Cyclohexane	10		"	10.0		104	63-149				
Dibromochloromethane	10		"	10.0		102	80-130				
Dibromomethane	10		"	10.0		100	72-134				
Dichlorodifluoromethane	9.4		"	10.0		94.5	44-144				
Ethyl Benzene	10		"	10.0		105	80-131				
Hexachlorobutadiene	10		"	10.0		103	67-146				
Isopropylbenzene	10		"	10.0		100	76-140				
Methyl acetate	10		"	10.0		102	51-139				
Methyl tert-butyl ether (MTBE)	11		"	10.0		106	76-135				
Methylcyclohexane	10		"	10.0		102	72-143				
Methylene chloride	11		"	10.0		109	55-137				
n-Butylbenzene	10		"	10.0		105	79-132				
n-Propylbenzene	10		"	10.0		104	78-133				
o-Xylene	11		"	10.0		106	78-130				
p- & m- Xylenes	19		"	20.0		94.6	77-133				
p-Isopropyltoluene	10		"	10.0		104	81-136				
sec-Butylbenzene	11		"	10.0		108	79-137				
Styrene	10		"	10.0		101	67-132				
tert-Butyl alcohol (TBA)	52		"	50.0		104	25-162				
tert-Butylbenzene	10		"	10.0		102	77-138				
Tetrachloroethylene	7.3		"	10.0		73.4	82-131	Low Bias			
Toluene	10		"	10.0		102	80-127				
trans-1,2-Dichloroethylene	10		"	10.0		102	80-132				
trans-1,3-Dichloropropylene	9.7		"	10.0		97.1	78-131				
trans-1,4-dichloro-2-butene	9.7		"	10.0		97.4	63-141				
Trichloroethylene	11		"	10.0		106	82-128				
Trichlorofluoromethane	9.8		"	10.0		97.5	67-139				
Vinyl Chloride	9.7		"	10.0		97.1	58-145				
Surrogate: 1,2-Dichloroethane-d4	10.2		"	10.0		102	69-130				
Surrogate: Toluene-d8	10.2		"	10.0		102	81-117				
Surrogate: p-Bromofluorobenzene	10.0		"	10.0		100	79-122				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH80772 - EPA 5030B											
LCS Dup (BH80772-BSD1)						Prepared & Analyzed: 08/15/2018					
1,1,1,2-Tetrachloroethane	10		ug/L	10.0		101	82-126		1.28	30	
1,1,1-Trichloroethane	10		"	10.0		104	78-136		4.43	30	
1,1,2,2-Tetrachloroethane	9.5		"	10.0		94.7	76-129		1.15	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11		"	10.0		106	54-165		5.64	30	
1,1,2-Trichloroethane	9.7		"	10.0		96.9	82-123		0.515	30	
1,1-Dichloroethane	10		"	10.0		104	82-129		1.25	30	
1,1-Dichloroethylene	11		"	10.0		106	68-138		5.41	30	
1,2,3-Trichlorobenzene	9.9		"	10.0		98.7	76-136		3.97	30	
1,2,3-Trichloropropane	9.6		"	10.0		96.2	77-128		2.06	30	
1,2,4-Trichlorobenzene	9.4		"	10.0		94.1	76-137		3.65	30	
1,2,4-Trimethylbenzene	10		"	10.0		101	82-132		1.08	30	
1,2-Dibromo-3-chloropropane	9.9		"	10.0		98.6	45-147		1.33	30	
1,2-Dibromoethane	9.8		"	10.0		98.5	83-124		0.203	30	
1,2-Dichlorobenzene	9.8		"	10.0		98.1	79-123		0.610	30	
1,2-Dichloroethane	11		"	10.0		107	73-132		0.0933	30	
1,2-Dichloropropane	9.8		"	10.0		98.1	78-126		2.22	30	
1,3,5-Trimethylbenzene	10		"	10.0		102	80-131		0.0975	30	
1,3-Dichlorobenzene	9.7		"	10.0		96.7	86-122		2.15	30	
1,4-Dichlorobenzene	9.5		"	10.0		95.3	85-124		1.46	30	
1,4-Dioxane	310		"	210		148	10-349		20.8	30	
2-Butanone	10		"	10.0		105	49-152		2.51	30	
2-Hexanone	11		"	10.0		108	51-146		2.06	30	
4-Methyl-2-pentanone	11		"	10.0		109	57-145		0.0920	30	
Acetone	12		"	10.0		117	14-150		8.00	30	
Acrolein	7.2		"	10.0		72.1	10-153		1.82	30	
Acrylonitrile	9.1		"	10.0		91.0	51-150		14.1	30	
Benzene	10		"	10.0		100	85-126		1.61	30	
Bromochloromethane	10		"	10.0		101	77-128		1.08	30	
Bromodichloromethane	9.9		"	10.0		98.9	79-128		2.50	30	
Bromoform	9.8		"	10.0		97.9	78-133		1.54	30	
Bromomethane	8.9		"	10.0		88.6	43-168		3.44	30	
Carbon disulfide	11		"	10.0		109	68-146		4.59	30	
Carbon tetrachloride	11		"	10.0		106	77-141		5.94	30	
Chlorobenzene	10		"	10.0		101	88-120		0.0993	30	
Chloroethane	9.9		"	10.0		98.7	65-136		3.30	30	
Chloroform	10		"	10.0		99.9	82-128		1.31	30	
Chloromethane	9.2		"	10.0		91.8	43-155		1.21	30	
cis-1,2-Dichloroethylene	9.8		"	10.0		98.2	83-129		0.912	30	
cis-1,3-Dichloropropylene	9.7		"	10.0		96.6	80-131		2.55	30	
Cyclohexane	11		"	10.0		111	63-149		6.49	30	
Dibromochloromethane	10		"	10.0		101	80-130		0.989	30	
Dibromomethane	9.9		"	10.0		98.9	72-134		1.11	30	
Dichlorodifluoromethane	10		"	10.0		99.6	44-144		5.26	30	
Ethyl Benzene	11		"	10.0		105	80-131		0.476	30	
Hexachlorobutadiene	10		"	10.0		103	67-146		0.291	30	
Isopropylbenzene	10		"	10.0		102	76-140		1.78	30	
Methyl acetate	9.6		"	10.0		95.5	51-139		6.29	30	
Methyl tert-butyl ether (MTBE)	11		"	10.0		106	76-135		0.754	30	
Methylcyclohexane	11		"	10.0		108	72-143		5.24	30	
Methylene chloride	11		"	10.0		108	55-137		0.831	30	
n-Butylbenzene	11		"	10.0		105	79-132		0.666	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 BH80772 - EPA 5030B

LCS Dup (BH80772-BSD1)

Prepared & Analyzed: 08/15/2018

n-Propylbenzene	10		ug/L	10.0		104	78-133		0.577	30	
o-Xylene	11		"	10.0		105	78-130		0.946	30	
p- & m- Xylenes	19		"	20.0		93.6	77-133		1.01	30	
p-Isopropyltoluene	11		"	10.0		105	81-136		1.43	30	
sec-Butylbenzene	11		"	10.0		109	79-137		1.57	30	
Styrene	10		"	10.0		99.9	67-132		0.996	30	
tert-Butyl alcohol (TBA)	57		"	50.0		113	25-162		8.43	30	
tert-Butylbenzene	10		"	10.0		102	77-138		0.685	30	
Tetrachloroethylene	7.5		"	10.0		75.0	82-131	Low Bias	2.16	30	
Toluene	10		"	10.0		102	80-127		0.0982	30	
trans-1,2-Dichloroethylene	10		"	10.0		104	80-132		1.94	30	
trans-1,3-Dichloropropylene	9.4		"	10.0		94.5	78-131		2.71	30	
trans-1,4-dichloro-2-butene	9.5		"	10.0		95.4	63-141		2.07	30	
Trichloroethylene	11		"	10.0		106	82-128		0.378	30	
Trichlorofluoromethane	11		"	10.0		109	67-139		11.0	30	
Vinyl Chloride	10		"	10.0		102	58-145		5.22	30	
Surrogate: 1,2-Dichloroethane-d4	10.5		"	10.0		105	69-130				
Surrogate: Toluene-d8	10.1		"	10.0		101	81-117				
Surrogate: p-Bromofluorobenzene	10.0		"	10.0		100	79-122				

Batch BH80792 - EPA 5030B

Blank (BH80792-BLK1)

Prepared & Analyzed: 08/16/2018

1,1,1,2-Tetrachloroethane	ND	0.50	ug/L
1,1,1-Trichloroethane	ND	0.50	"
1,1,2,2-Tetrachloroethane	ND	0.50	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"
1,1,2-Trichloroethane	ND	0.50	"
1,1-Dichloroethane	ND	0.50	"
1,1-Dichloroethylene	ND	0.50	"
1,2,3-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	"
1,4-Dichlorobenzene	ND	0.50	"
1,4-Dioxane	ND	40	"
2-Butanone	ND	0.50	"
2-Hexanone	ND	0.50	"
4-Methyl-2-pentanone	ND	0.50	"
Acetone	ND	2.0	"
Acrolein	ND	0.50	"
Acrylonitrile	ND	0.50	"
Benzene	ND	0.50	"
Bromochloromethane	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

Batch BH80792 - EPA 5030B

Blank (BH80792-BLK1)

Prepared & Analyzed: 08/16/2018

Bromodichloromethane	ND	0.50	ug/L								
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	"								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								
Methylene chloride	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	1.0	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
trans-1,4-dichloro-2-butene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: 1,2-Dichloroethane-d4	10.8		"	10.0		108	69-130				
Surrogate: Toluene-d8	10.1		"	10.0		101	81-117				
Surrogate: p-Bromofluorobenzene	10.6		"	10.0		106	79-122				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH80792 - EPA 5030B											
LCS (BH80792-BS1)						Prepared & Analyzed: 08/16/2018					
1,1,1,2-Tetrachloroethane	10		ug/L	10.0		103	82-126				
1,1,1-Trichloroethane	11		"	10.0		106	78-136				
1,1,2,2-Tetrachloroethane	10		"	10.0		104	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12		"	10.0		116	54-165				
1,1,2-Trichloroethane	9.7		"	10.0		96.9	82-123				
1,1-Dichloroethane	11		"	10.0		108	82-129				
1,1-Dichloroethylene	11		"	10.0		109	68-138				
1,2,3-Trichlorobenzene	11		"	10.0		109	76-136				
1,2,3-Trichloropropane	10		"	10.0		103	77-128				
1,2,4-Trichlorobenzene	10		"	10.0		99.9	76-137				
1,2,4-Trimethylbenzene	11		"	10.0		105	82-132				
1,2-Dibromo-3-chloropropane	10		"	10.0		103	45-147				
1,2-Dibromoethane	10		"	10.0		100	83-124				
1,2-Dichlorobenzene	10		"	10.0		101	79-123				
1,2-Dichloroethane	11		"	10.0		107	73-132				
1,2-Dichloropropane	10		"	10.0		100	78-126				
1,3,5-Trimethylbenzene	11		"	10.0		106	80-131				
1,3-Dichlorobenzene	10		"	10.0		99.9	86-122				
1,4-Dichlorobenzene	9.9		"	10.0		98.9	85-124				
1,4-Dioxane	350		"	210		165	10-349				
2-Butanone	11		"	10.0		114	49-152				
2-Hexanone	11		"	10.0		108	51-146				
4-Methyl-2-pentanone	11		"	10.0		108	57-145				
Acetone	10		"	10.0		101	14-150				
Acrolein	18		"	10.0		184	10-153	High Bias			
Acrylonitrile	8.5		"	10.0		84.8	51-150				
Benzene	10		"	10.0		102	85-126				
Bromochloromethane	11		"	10.0		105	77-128				
Bromodichloromethane	10		"	10.0		100	79-128				
Bromoform	10		"	10.0		99.6	78-133				
Bromomethane	10		"	10.0		99.8	43-168				
Carbon disulfide	12		"	10.0		120	68-146				
Carbon tetrachloride	11		"	10.0		109	77-141				
Chlorobenzene	10		"	10.0		102	88-120				
Chloroethane	9.6		"	10.0		96.1	65-136				
Chloroform	10		"	10.0		102	82-128				
Chloromethane	10		"	10.0		104	43-155				
cis-1,2-Dichloroethylene	11		"	10.0		106	83-129				
cis-1,3-Dichloropropylene	10		"	10.0		102	80-131				
Cyclohexane	12		"	10.0		116	63-149				
Dibromochloromethane	10		"	10.0		99.6	80-130				
Dibromomethane	10		"	10.0		101	72-134				
Dichlorodifluoromethane	14		"	10.0		141	44-144				
Ethyl Benzene	11		"	10.0		107	80-131				
Hexachlorobutadiene	11		"	10.0		107	67-146				
Isopropylbenzene	10		"	10.0		105	76-140				
Methyl acetate	10		"	10.0		102	51-139				
Methyl tert-butyl ether (MTBE)	11		"	10.0		111	76-135				
Methylcyclohexane	11		"	10.0		112	72-143				
Methylene chloride	11		"	10.0		112	55-137				
n-Butylbenzene	11		"	10.0		111	79-132				



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 BH80792 - EPA 5030B											
LCS (BH80792-BS1)						Prepared & Analyzed: 08/16/2018					
n-Propylbenzene	11		ug/L	10.0		109	78-133				
o-Xylene	11		"	10.0		107	78-130				
p- & m- Xylenes	19		"	20.0		96.1	77-133				
p-Isopropyltoluene	11		"	10.0		109	81-136				
sec-Butylbenzene	11		"	10.0		114	79-137				
Styrene	10		"	10.0		103	67-132				
tert-Butyl alcohol (TBA)	57		"	50.0		115	25-162				
tert-Butylbenzene	11		"	10.0		106	77-138				
Tetrachloroethylene	7.6		"	10.0		76.5	82-131	Low Bias			
Toluene	10		"	10.0		104	80-127				
trans-1,2-Dichloroethylene	11		"	10.0		109	80-132				
trans-1,3-Dichloropropylene	10		"	10.0		101	78-131				
trans-1,4-dichloro-2-butene	10		"	10.0		102	63-141				
Trichloroethylene	10		"	10.0		104	82-128				
Trichlorofluoromethane	10		"	10.0		100	67-139				
Vinyl Chloride	11		"	10.0		107	58-145				
Surrogate: 1,2-Dichloroethane-d4	10.3		"	10.0		103	69-130				
Surrogate: Toluene-d8	10.1		"	10.0		101	81-117				
Surrogate: p-Bromofluorobenzene	10.2		"	10.0		102	79-122				
LCS Dup (BH80792-BSD1)						Prepared & Analyzed: 08/16/2018					
1,1,1,2-Tetrachloroethane	10		ug/L	10.0		102	82-126		0.681	30	
1,1,1-Trichloroethane	10		"	10.0		101	78-136		4.53	30	
1,1,2,2-Tetrachloroethane	10		"	10.0		100	76-129		3.42	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11		"	10.0		107	54-165		8.42	30	
1,1,2-Trichloroethane	9.8		"	10.0		98.2	82-123		1.33	30	
1,1-Dichloroethane	10		"	10.0		105	82-129		3.10	30	
1,1-Dichloroethylene	9.8		"	10.0		98.2	68-138		10.6	30	
1,2,3-Trichlorobenzene	10		"	10.0		104	76-136		5.07	30	
1,2,3-Trichloropropane	9.8		"	10.0		98.3	77-128		4.57	30	
1,2,4-Trichlorobenzene	9.8		"	10.0		98.1	76-137		1.82	30	
1,2,4-Trimethylbenzene	10		"	10.0		102	82-132		2.70	30	
1,2-Dibromo-3-chloropropane	9.9		"	10.0		99.0	45-147		4.06	30	
1,2-Dibromoethane	10		"	10.0		99.8	83-124		0.400	30	
1,2-Dichlorobenzene	9.9		"	10.0		99.2	79-123		1.60	30	
1,2-Dichloroethane	11		"	10.0		106	73-132		0.844	30	
1,2-Dichloropropane	10		"	10.0		101	78-126		0.397	30	
1,3,5-Trimethylbenzene	10		"	10.0		103	80-131		2.87	30	
1,3-Dichlorobenzene	9.8		"	10.0		98.4	86-122		1.51	30	
1,4-Dichlorobenzene	9.8		"	10.0		97.5	85-124		1.43	30	
1,4-Dioxane	170		"	210		81.1	10-349		68.1	30	Non-dir.
2-Butanone	9.6		"	10.0		95.7	49-152		17.5	30	
2-Hexanone	10		"	10.0		105	51-146		2.92	30	
4-Methyl-2-pentanone	11		"	10.0		106	57-145		2.71	30	
Acetone	8.9		"	10.0		89.2	14-150		12.0	30	
Acrolein	18		"	10.0		178	10-153	High Bias	3.38	30	
Acrylonitrile	7.6		"	10.0		76.2	51-150		10.7	30	
Benzene	10		"	10.0		101	85-126		1.18	30	
Bromochloromethane	10		"	10.0		104	77-128		1.53	30	
Bromodichloromethane	10		"	10.0		101	79-128		0.596	30	
Bromoform	9.8		"	10.0		98.4	78-133		1.21	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 BH80792 - EPA 5030B

LCS Dup (BH80792-BSD1)

Prepared & Analyzed: 08/16/2018

Bromomethane	9.5		ug/L	10.0		94.6	43-168		5.35	30	
Carbon disulfide	11		"	10.0		113	68-146		6.36	30	
Carbon tetrachloride	10		"	10.0		104	77-141		4.89	30	
Chlorobenzene	10		"	10.0		101	88-120		1.08	30	
Chloroethane	9.1		"	10.0		90.8	65-136		5.67	30	
Chloroform	10		"	10.0		100	82-128		1.39	30	
Chloromethane	10		"	10.0		102	43-155		1.85	30	
cis-1,2-Dichloroethylene	10		"	10.0		104	83-129		1.24	30	
cis-1,3-Dichloropropylene	10		"	10.0		101	80-131		0.494	30	
Cyclohexane	11		"	10.0		110	63-149		5.51	30	
Dibromochloromethane	10		"	10.0		102	80-130		2.18	30	
Dibromomethane	10		"	10.0		100	72-134		0.598	30	
Dichlorodifluoromethane	13		"	10.0		132	44-144		6.65	30	
Ethyl Benzene	11		"	10.0		105	80-131		1.70	30	
Hexachlorobutadiene	10		"	10.0		104	67-146		2.94	30	
Isopropylbenzene	10		"	10.0		102	76-140		2.61	30	
Methyl acetate	9.2		"	10.0		92.3	51-139		9.79	30	
Methyl tert-butyl ether (MTBE)	11		"	10.0		108	76-135		2.01	30	
Methylcyclohexane	11		"	10.0		107	72-143		4.31	30	
Methylene chloride	11		"	10.0		106	55-137		5.40	30	
n-Butylbenzene	11		"	10.0		108	79-132		2.74	30	
n-Propylbenzene	10		"	10.0		105	78-133		3.75	30	
o-Xylene	11		"	10.0		106	78-130		1.69	30	
p- & m- Xylenes	19		"	20.0		94.3	77-133		1.89	30	
p-Isopropyltoluene	10		"	10.0		105	81-136		3.65	30	
sec-Butylbenzene	11		"	10.0		109	79-137		4.23	30	
Styrene	10		"	10.0		100	67-132		2.17	30	
tert-Butyl alcohol (TBA)	43		"	50.0		86.2	25-162		28.4	30	
tert-Butylbenzene	10		"	10.0		103	77-138		3.73	30	
Tetrachloroethylene	7.4		"	10.0		73.9	82-131	Low Bias	3.46	30	
Toluene	10		"	10.0		102	80-127		2.13	30	
trans-1,2-Dichloroethylene	11		"	10.0		106	80-132		3.36	30	
trans-1,3-Dichloropropylene	10		"	10.0		101	78-131		0.198	30	
trans-1,4-dichloro-2-butene	10		"	10.0		99.9	63-141		1.98	30	
Trichloroethylene	10		"	10.0		101	82-128		2.24	30	
Trichlorofluoromethane	9.3		"	10.0		92.9	67-139		7.56	30	
Vinyl Chloride	10		"	10.0		100	58-145		6.19	30	
Surrogate: 1,2-Dichloroethane-d4	10.4		"	10.0		104	69-130				
Surrogate: Toluene-d8	10.0		"	10.0		100	81-117				
Surrogate: p-Bromofluorobenzene	9.98		"	10.0		99.8	79-122				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BH80893 - EPA 5030B

Blank (BH80893-BLK1)

Prepared & Analyzed: 08/17/2018

1,1,1,2-Tetrachloroethane	ND	0.50	ug/L
1,1,1-Trichloroethane	ND	0.50	"
1,1,2,2-Tetrachloroethane	ND	0.50	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"
1,1,2-Trichloroethane	ND	0.50	"
1,1-Dichloroethane	ND	0.50	"
1,1-Dichloroethylene	ND	0.50	"
1,2,3-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	"
1,4-Dichlorobenzene	ND	0.50	"
1,4-Dioxane	ND	40	"
2-Butanone	ND	0.50	"
2-Hexanone	ND	0.50	"
4-Methyl-2-pentanone	ND	0.50	"
Acetone	ND	2.0	"
Acrolein	ND	0.50	"
Acrylonitrile	ND	0.50	"
Benzene	ND	0.50	"
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	"
Isopropylbenzene	ND	0.50	"
Methyl acetate	ND	0.50	"
Methyl tert-butyl ether (MTBE)	ND	0.50	"
Methylcyclohexane	ND	0.50	"
Methylene chloride	ND	2.0	"
n-Butylbenzene	ND	0.50	"



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 BH80893 - EPA 5030B

Blank (BH80893-BLK1)

Prepared & Analyzed: 08/17/2018

n-Propylbenzene	ND	0.50	ug/L								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	1.0	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
trans-1,4-dichloro-2-butene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: 1,2-Dichloroethane-d4	9.89		"	10.0		98.9	69-130				
Surrogate: Toluene-d8	9.55		"	10.0		95.5	81-117				
Surrogate: p-Bromofluorobenzene	9.63		"	10.0		96.3	79-122				

LCS (BH80893-BS1)

Prepared & Analyzed: 08/17/2018

1,1,1,2-Tetrachloroethane	10		ug/L	10.0		104	82-126				
1,1,1-Trichloroethane	11		"	10.0		111	78-136				
1,1,2,2-Tetrachloroethane	9.1		"	10.0		91.4	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	14		"	10.0		137	54-165				
1,1,2-Trichloroethane	9.5		"	10.0		94.7	82-123				
1,1-Dichloroethane	11		"	10.0		110	82-129				
1,1-Dichloroethylene	12		"	10.0		115	68-138				
1,2,3-Trichlorobenzene	11		"	10.0		114	76-136				
1,2,3-Trichloropropane	9.1		"	10.0		91.4	77-128				
1,2,4-Trichlorobenzene	11		"	10.0		109	76-137				
1,2,4-Trimethylbenzene	9.9		"	10.0		99.4	82-132				
1,2-Dibromo-3-chloropropane	8.7		"	10.0		87.2	45-147				
1,2-Dibromoethane	9.7		"	10.0		96.9	83-124				
1,2-Dichlorobenzene	10		"	10.0		99.5	79-123				
1,2-Dichloroethane	10		"	10.0		99.8	73-132				
1,2-Dichloropropane	9.3		"	10.0		92.7	78-126				
1,3,5-Trimethylbenzene	10		"	10.0		102	80-131				
1,3-Dichlorobenzene	10		"	10.0		101	86-122				
1,4-Dichlorobenzene	10		"	10.0		101	85-124				
1,4-Dioxane	220		"	210		105	10-349				
2-Butanone	11		"	10.0		115	49-152				
2-Hexanone	9.4		"	10.0		94.1	51-146				
4-Methyl-2-pentanone	8.9		"	10.0		89.1	57-145				
Acetone	11		"	10.0		112	14-150				
Acrolein	18		"	10.0		176	10-153	High Bias			
Acrylonitrile	10		"	10.0		101	51-150				
Benzene	11		"	10.0		108	85-126				
Bromochloromethane	10		"	10.0		101	77-128				
Bromodichloromethane	9.2		"	10.0		92.4	79-128				



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 BH80893 - EPA 5030B

LCS (BH80893-BS1)

Prepared & Analyzed: 08/17/2018

Bromoform	10		ug/L	10.0		104	78-133				
Bromomethane	3.0		"	10.0		30.0	43-168	Low Bias			
Carbon disulfide	13		"	10.0		129	68-146				
Carbon tetrachloride	12		"	10.0		119	77-141				
Chlorobenzene	10		"	10.0		102	88-120				
Chloroethane	9.8		"	10.0		98.1	65-136				
Chloroform	10		"	10.0		102	82-128				
Chloromethane	8.2		"	10.0		82.4	43-155				
cis-1,2-Dichloroethylene	11		"	10.0		106	83-129				
cis-1,3-Dichloropropylene	9.5		"	10.0		95.0	80-131				
Cyclohexane	12		"	10.0		124	63-149				
Dibromochloromethane	10		"	10.0		99.6	80-130				
Dibromomethane	9.2		"	10.0		91.9	72-134				
Dichlorodifluoromethane	13		"	10.0		135	44-144				
Ethyl Benzene	10		"	10.0		104	80-131				
Hexachlorobutadiene	12		"	10.0		124	67-146				
Isopropylbenzene	10		"	10.0		102	76-140				
Methyl acetate	9.2		"	10.0		92.2	51-139				
Methyl tert-butyl ether (MTBE)	11		"	10.0		109	76-135				
Methylcyclohexane	11		"	10.0		115	72-143				
Methylene chloride	11		"	10.0		110	55-137				
n-Butylbenzene	10		"	10.0		103	79-132				
n-Propylbenzene	10		"	10.0		100	78-133				
o-Xylene	10		"	10.0		103	78-130				
p- & m- Xylenes	19		"	20.0		93.0	77-133				
p-Isopropyltoluene	11		"	10.0		108	81-136				
sec-Butylbenzene	11		"	10.0		109	79-137				
Styrene	10		"	10.0		100	67-132				
tert-Butyl alcohol (TBA)	56		"	50.0		112	25-162				
tert-Butylbenzene	11		"	10.0		107	77-138				
Tetrachloroethylene	8.8		"	10.0		88.4	82-131				
Toluene	10		"	10.0		101	80-127				
trans-1,2-Dichloroethylene	11		"	10.0		111	80-132				
trans-1,3-Dichloropropylene	9.3		"	10.0		93.1	78-131				
trans-1,4-dichloro-2-butene	8.7		"	10.0		87.2	63-141				
Trichloroethylene	10		"	10.0		102	82-128				
Trichlorofluoromethane	12		"	10.0		115	67-139				
Vinyl Chloride	10		"	10.0		104	58-145				
Surrogate: 1,2-Dichloroethane-d4	9.60		"	10.0		96.0	69-130				
Surrogate: Toluene-d8	9.60		"	10.0		96.0	81-117				
Surrogate: p-Bromofluorobenzene	9.33		"	10.0		93.3	79-122				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH80893 - EPA 5030B											
LCS Dup (BH80893-BSD1)						Prepared & Analyzed: 08/17/2018					
1,1,1,2-Tetrachloroethane	10		ug/L	10.0		101	82-126		3.02	30	
1,1,1-Trichloroethane	11		"	10.0		106	78-136		4.59	30	
1,1,2,2-Tetrachloroethane	8.8		"	10.0		87.5	76-129		4.36	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	13		"	10.0		128	54-165		6.62	30	
1,1,2-Trichloroethane	9.1		"	10.0		91.2	82-123		3.77	30	
1,1-Dichloroethane	10		"	10.0		104	82-129		5.04	30	
1,1-Dichloroethylene	11		"	10.0		109	68-138		5.17	30	
1,2,3-Trichlorobenzene	11		"	10.0		110	76-136		3.30	30	
1,2,3-Trichloropropane	9.0		"	10.0		89.6	77-128		1.99	30	
1,2,4-Trichlorobenzene	11		"	10.0		106	76-137		3.26	30	
1,2,4-Trimethylbenzene	9.8		"	10.0		98.0	82-132		1.42	30	
1,2-Dibromo-3-chloropropane	8.3		"	10.0		82.8	45-147		5.18	30	
1,2-Dibromoethane	9.4		"	10.0		94.0	83-124		3.04	30	
1,2-Dichlorobenzene	9.9		"	10.0		99.3	79-123		0.201	30	
1,2-Dichloroethane	9.6		"	10.0		95.6	73-132		4.30	30	
1,2-Dichloropropane	8.8		"	10.0		88.0	78-126		5.20	30	
1,3,5-Trimethylbenzene	9.9		"	10.0		99.3	80-131		2.39	30	
1,3-Dichlorobenzene	9.9		"	10.0		99.1	86-122		2.10	30	
1,4-Dichlorobenzene	9.8		"	10.0		97.9	85-124		3.12	30	
1,4-Dioxane	160		"	210		77.9	10-349		29.3	30	
2-Butanone	12		"	10.0		116	49-152		0.521	30	
2-Hexanone	9.9		"	10.0		98.8	51-146		4.87	30	
4-Methyl-2-pentanone	9.0		"	10.0		89.8	57-145		0.783	30	
Acetone	12		"	10.0		117	14-150		4.98	30	
Acrolein	16		"	10.0		164	10-153	High Bias	6.71	30	
Acrylonitrile	9.2		"	10.0		92.0	51-150		9.23	30	
Benzene	10		"	10.0		103	85-126		5.22	30	
Bromochloromethane	9.5		"	10.0		95.3	77-128		5.61	30	
Bromodichloromethane	8.8		"	10.0		88.5	79-128		4.31	30	
Bromoform	10		"	10.0		101	78-133		3.12	30	
Bromomethane	3.4		"	10.0		34.4	43-168	Low Bias	13.7	30	
Carbon disulfide	12		"	10.0		120	68-146		7.38	30	
Carbon tetrachloride	11		"	10.0		112	77-141		5.28	30	
Chlorobenzene	9.8		"	10.0		98.4	88-120		3.79	30	
Chloroethane	9.5		"	10.0		95.0	65-136		3.21	30	
Chloroform	9.9		"	10.0		98.8	82-128		3.38	30	
Chloromethane	7.9		"	10.0		78.7	43-155		4.59	30	
cis-1,2-Dichloroethylene	10		"	10.0		99.7	83-129		5.94	30	
cis-1,3-Dichloropropylene	9.4		"	10.0		93.5	80-131		1.59	30	
Cyclohexane	12		"	10.0		117	63-149		6.22	30	
Dibromochloromethane	9.9		"	10.0		99.3	80-130		0.302	30	
Dibromomethane	8.9		"	10.0		88.7	72-134		3.54	30	
Dichlorodifluoromethane	13		"	10.0		129	44-144		4.78	30	
Ethyl Benzene	10		"	10.0		101	80-131		2.84	30	
Hexachlorobutadiene	12		"	10.0		119	67-146		4.02	30	
Isopropylbenzene	10		"	10.0		99.7	76-140		2.77	30	
Methyl acetate	9.1		"	10.0		90.7	51-139		1.64	30	
Methyl tert-butyl ether (MTBE)	11		"	10.0		106	76-135		3.16	30	
Methylcyclohexane	11		"	10.0		110	72-143		4.18	30	
Methylene chloride	10		"	10.0		105	55-137		5.21	30	
n-Butylbenzene	10		"	10.0		99.9	79-132		2.67	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 BH80893 - EPA 5030B

LCS Dup (BH80893-BSD1)

Prepared & Analyzed: 08/17/2018

n-Propylbenzene	9.8		ug/L	10.0		98.3	78-133		2.11	30
o-Xylene	10		"	10.0		100	78-130		3.05	30
p- & m- Xylenes	18		"	20.0		89.9	77-133		3.39	30
p-Isopropyltoluene	10		"	10.0		104	81-136		3.21	30
sec-Butylbenzene	11		"	10.0		106	79-137		2.60	30
Styrene	9.8		"	10.0		98.1	67-132		2.42	30
tert-Butyl alcohol (TBA)	45		"	50.0		91.0	25-162		20.3	30
tert-Butylbenzene	10		"	10.0		103	77-138		3.52	30
Tetrachloroethylene	8.6		"	10.0		86.5	82-131		2.17	30
Toluene	9.7		"	10.0		97.0	80-127		3.74	30
trans-1,2-Dichloroethylene	11		"	10.0		105	80-132		5.10	30
trans-1,3-Dichloropropylene	9.0		"	10.0		90.2	78-131		3.16	30
trans-1,4-dichloro-2-butene	8.6		"	10.0		86.0	63-141		1.39	30
Trichloroethylene	9.8		"	10.0		98.2	82-128		3.89	30
Trichlorofluoromethane	11		"	10.0		109	67-139		5.81	30
Vinyl Chloride	9.8		"	10.0		98.4	58-145		5.63	30
Surrogate: 1,2-Dichloroethane-d4	9.59		"	10.0		95.9	69-130			
Surrogate: Toluene-d8	9.60		"	10.0		96.0	81-117			
Surrogate: p-Bromofluorobenzene	9.50		"	10.0		95.0	79-122			



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BH80648 - EPA 3510C

Blank (BH80648-BLK1)

Prepared & Analyzed: 08/14/2018

1,1-Biphenyl	ND	5.00	ug/L
1,2,4,5-Tetrachlorobenzene	ND	5.00	"
1,2,4-Trichlorobenzene	ND	5.00	"
1,2-Dichlorobenzene	ND	5.00	"
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"
1,3-Dichlorobenzene	ND	5.00	"
1,4-Dichlorobenzene	ND	5.00	"
2,3,4,6-Tetrachlorophenol	ND	5.00	"
2,4,5-Trichlorophenol	ND	5.00	"
2,4,6-Trichlorophenol	ND	5.00	"
2,4-Dichlorophenol	ND	5.00	"
2,4-Dimethylphenol	ND	5.00	"
2,4-Dinitrophenol	ND	5.00	"
2,4-Dinitrotoluene	ND	5.00	"
2,6-Dinitrotoluene	ND	5.00	"
2-Chloronaphthalene	ND	5.00	"
2-Chlorophenol	ND	5.00	"
2-Methylnaphthalene	ND	5.00	"
2-Methylphenol	ND	5.00	"
2-Nitroaniline	ND	5.00	"
2-Nitrophenol	ND	5.00	"
3- & 4-Methylphenols	ND	5.00	"
3,3-Dichlorobenzidine	ND	5.00	"
3-Nitroaniline	ND	5.00	"
4,6-Dinitro-2-methylphenol	ND	5.00	"
4-Bromophenyl phenyl ether	ND	5.00	"
4-Chloro-3-methylphenol	ND	5.00	"
4-Chloroaniline	ND	5.00	"
4-Chlorophenyl phenyl ether	ND	5.00	"
4-Nitroaniline	ND	5.00	"
4-Nitrophenol	ND	5.00	"
Acenaphthene	ND	0.0500	"
Acenaphthylene	ND	0.0500	"
Acetophenone	ND	5.00	"
Aniline	ND	5.00	"
Anthracene	ND	0.0500	"
Atrazine	ND	0.500	"
Benzaldehyde	ND	5.00	"
Benzidine	ND	20.0	"
Benzo(a)anthracene	ND	0.0500	"
Benzo(a)pyrene	ND	0.0500	"
Benzo(b)fluoranthene	ND	0.0500	"
Benzo(g,h,i)perylene	ND	0.0500	"
Benzo(k)fluoranthene	ND	0.0500	"
Benzoic acid	ND	50.0	"
Benzyl alcohol	ND	5.00	"
Benzyl butyl phthalate	ND	5.00	"
Bis(2-chloroethoxy)methane	ND	5.00	"
Bis(2-chloroethyl)ether	ND	5.00	"
Bis(2-chloroisopropyl)ether	ND	5.00	"
Bis(2-ethylhexyl)phthalate	ND	0.500	"



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BH80648 - EPA 3510C

Blank (BH80648-BLK1)

Prepared & Analyzed: 08/14/2018

Caprolactam	ND	5.00	ug/L								
Carbazole	ND	5.00	"								
Chrysene	ND	0.0500	"								
Dibenzo(a,h)anthracene	ND	0.0500	"								
Dibenzofuran	ND	5.00	"								
Diethyl phthalate	ND	5.00	"								
Dimethyl phthalate	ND	5.00	"								
Di-n-butyl phthalate	ND	5.00	"								
Di-n-octyl phthalate	ND	5.00	"								
Fluoranthene	ND	0.0500	"								
Fluorene	ND	0.0500	"								
Hexachlorobenzene	ND	0.0200	"								
Hexachlorobutadiene	ND	0.500	"								
Hexachlorocyclopentadiene	ND	5.00	"								
Hexachloroethane	ND	0.500	"								
Indeno(1,2,3-cd)pyrene	ND	0.0500	"								
Isophorone	ND	5.00	"								
Naphthalene	ND	0.0500	"								
Nitrobenzene	ND	0.250	"								
N-Nitrosodimethylamine	ND	0.500	"								
N-nitroso-di-n-propylamine	ND	5.00	"								
N-Nitrosodiphenylamine	ND	5.00	"								
Pentachlorophenol	ND	0.250	"								
Phenanthrene	ND	0.0500	"								
Phenol	ND	5.00	"								
Pyrene	ND	0.0500	"								
Surrogate: 2-Fluorophenol	25.3		"	50.0		50.5	19.7-63.1				
Surrogate: Phenol-d5	13.3		"	50.0		26.6	10.1-41.7				
Surrogate: Nitrobenzene-d5	20.4		"	25.0		81.7	50.2-113				
Surrogate: 2-Fluorobiphenyl	26.1		"	25.0		105	39.9-105				
Surrogate: 2,4,6-Tribromophenol	50.6		"	50.0		101	39.3-151				
Surrogate: Terphenyl-d14	27.8		"	25.0		111	30.7-106				



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 BH80648 - EPA 3510C

Blank (BH80648-BLK2)

Prepared & Analyzed: 08/14/2018

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

LCS (BH80648-BS1)

Prepared & Analyzed: 08/14/2018

1,1-Biphenyl	21.8	5.00	ug/L	25.0	87.2	21-102	
1,2,4,5-Tetrachlorobenzene	22.7	5.00	"	25.0	90.8	28-105	
1,2,4-Trichlorobenzene	24.0	5.00	"	25.0	96.2	35-91	High Bias
1,2-Dichlorobenzene	21.1	5.00	"	25.0	84.6	42-85	
1,2-Diphenylhydrazine (as Azobenzene)	21.0	5.00	"	25.0	84.0	16-137	
1,3-Dichlorobenzene	20.0	5.00	"	25.0	79.8	45-80	
1,4-Dichlorobenzene	17.9	5.00	"	25.0	71.6	42-82	
2,3,4,6-Tetrachlorophenol	48.3	5.00	"	25.0	193	30-130	High Bias
2,4,5-Trichlorophenol	25.7	5.00	"	25.0	103	36-112	
2,4,6-Trichlorophenol	25.2	5.00	"	25.0	101	41-107	
2,4-Dichlorophenol	27.4	5.00	"	25.0	110	43-92	High Bias
2,4-Dimethylphenol	23.2	5.00	"	25.0	92.8	25-92	High Bias
2,4-Dinitrophenol	35.4	5.00	"	25.0	141	10-149	
2,4-Dinitrotoluene	24.3	5.00	"	25.0	97.0	41-114	
2,6-Dinitrotoluene	24.1	5.00	"	25.0	96.3	49-106	
2-Chloronaphthalene	22.0	5.00	"	25.0	88.0	40-96	
2-Chlorophenol	20.0	5.00	"	25.0	80.1	35-84	
2-Methylnaphthalene	23.6	5.00	"	25.0	94.3	33-101	
2-Methylphenol	16.9	5.00	"	25.0	67.5	10-90	
2-Nitroaniline	20.2	5.00	"	25.0	80.7	31-122	
2-Nitrophenol	24.2	5.00	"	25.0	96.9	37-97	
3- & 4-Methylphenols	14.0	5.00	"	25.0	56.0	10-101	
3,3-Dichlorobenzidine	23.6	5.00	"	25.0	94.3	25-155	
3-Nitroaniline	17.5	5.00	"	25.0	70.0	29-128	
4,6-Dinitro-2-methylphenol	29.9	5.00	"	25.0	119	10-135	



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 BH80648 - EPA 3510C											
LCS (BH80648-BS1)						Prepared & Analyzed: 08/14/2018					
4-Bromophenyl phenyl ether	23.4	5.00	ug/L	25.0		93.5	38-116				
4-Chloro-3-methylphenol	22.4	5.00	"	25.0		89.7	28-101				
4-Chloroaniline	13.9	5.00	"	25.0		55.8	10-154				
4-Chlorophenyl phenyl ether	23.1	5.00	"	25.0		92.3	34-112				
4-Nitroaniline	18.2	5.00	"	25.0		72.8	15-143				
4-Nitrophenol	10.2	5.00	"	25.0		40.8	10-112				
Acenaphthene	19.5	0.0500	"	25.0		78.1	24-114				
Acenaphthylene	20.0	0.0500	"	25.0		80.0	26-112				
Acetophenone	20.0	5.00	"	25.0		79.9	47-92				
Aniline	7.41	5.00	"	25.0		29.6	10-107				
Anthracene	20.3	0.0500	"	25.0		81.1	35-114				
Atrazine	25.4	0.500	"	25.0		101	43-101				
Benzaldehyde	21.6	5.00	"	25.0		86.4	17-117				
Benzo(a)anthracene	23.9	0.0500	"	25.0		95.7	38-127				
Benzo(a)pyrene	24.1	0.0500	"	25.0		96.5	30-146				
Benzo(b)fluoranthene	24.7	0.0500	"	25.0		98.7	36-145				
Benzo(g,h,i)perylene	20.0	0.0500	"	25.0		80.1	10-163				
Benzo(k)fluoranthene	22.6	0.0500	"	25.0		90.4	16-149				
Benzoic acid	ND	50.0	"	25.4			30-130	Low Bias			
Benzyl alcohol	15.5	5.00	"	25.0		62.1	18-75				
Benzyl butyl phthalate	23.5	5.00	"	25.0		94.0	28-129				
Bis(2-chloroethoxy)methane	23.3	5.00	"	25.0		93.4	27-112				
Bis(2-chloroethyl)ether	18.1	5.00	"	25.0		72.6	24-114				
Bis(2-chloroisopropyl)ether	20.3	5.00	"	25.0		81.1	21-124				
Bis(2-ethylhexyl)phthalate	23.3	0.500	"	25.0		93.2	10-171				
Caprolactam	4.53	5.00	"	25.0		18.1	10-29				
Carbazole	24.4	5.00	"	25.0		97.5	49-116				
Chrysene	21.7	0.0500	"	25.0		86.8	33-120				
Dibenzo(a,h)anthracene	21.4	0.0500	"	25.0		85.5	10-149				
Dibenzofuran	22.3	5.00	"	25.0		89.0	42-105				
Diethyl phthalate	23.6	5.00	"	25.0		94.3	38-112				
Dimethyl phthalate	23.1	5.00	"	25.0		92.4	49-106				
Di-n-butyl phthalate	20.4	5.00	"	25.0		81.7	36-110				
Di-n-octyl phthalate	23.9	5.00	"	25.0		95.6	12-149				
Fluoranthene	20.8	0.0500	"	25.0		83.0	33-126				
Fluorene	20.2	0.0500	"	25.0		80.7	28-117				
Hexachlorobenzene	19.4	0.0200	"	25.0		77.8	27-120				
Hexachlorobutadiene	23.5	0.500	"	25.0		93.9	25-106				
Hexachlorocyclopentadiene	12.8	5.00	"	25.0		51.2	10-99				
Hexachloroethane	17.5	0.500	"	25.0		70.0	33-84				
Indeno(1,2,3-cd)pyrene	21.3	0.0500	"	25.0		85.2	10-150				
Isophorone	22.2	5.00	"	25.0		88.6	29-115				
Naphthalene	19.6	0.0500	"	25.0		78.3	30-99				
Nitrobenzene	21.5	0.250	"	25.0		86.2	32-113				
N-Nitrosodimethylamine	11.1	0.500	"	25.0		44.2	10-63				
N-nitroso-di-n-propylamine	20.5	5.00	"	25.0		81.9	36-118				
N-Nitrosodiphenylamine	27.0	5.00	"	25.0		108	27-145				
Pentachlorophenol	25.3	0.250	"	25.0		101	19-127				
Phenanthrene	20.4	0.0500	"	25.0		81.4	31-112				
Phenol	8.00	5.00	"	25.0		32.0	10-37				
Pyrene	23.0	0.0500	"	25.0		92.0	42-125				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BH80648 - EPA 3510C

LCS (BH80648-BS1)

Prepared & Analyzed: 08/14/2018

Surrogate: 2-Fluorophenol	29.4		ug/L	50.0		58.7	19.7-63.1				
Surrogate: Phenol-d5	15.2		"	50.0		30.5	10.1-41.7				
Surrogate: Nitrobenzene-d5	21.8		"	25.0		87.3	50.2-113				
Surrogate: 2-Fluorobiphenyl	26.1		"	25.0		104	39.9-105				
Surrogate: 2,4,6-Tribromophenol	60.2		"	50.0		120	39.3-151				
Surrogate: Terphenyl-d14	29.7		"	25.0		119	30.7-106				

LCS (BH80648-BS2)

Prepared & Analyzed: 08/14/2018

Acenaphthene	0.780	0.0500	ug/L	1.00		78.0	24-114				
Acenaphthylene	0.810	0.0500	"	1.00		81.0	26-112				
Anthracene	0.850	0.0500	"	1.00		85.0	35-114				
Atrazine	ND	0.500	"				43-101				
Benzo(a)anthracene	0.900	0.0500	"	1.00		90.0	38-127				
Benzo(a)pyrene	0.900	0.0500	"	1.00		90.0	30-146				
Benzo(b)fluoranthene	0.910	0.0500	"	1.00		91.0	36-145				
Benzo(g,h,i)perylene	0.970	0.0500	"	1.00		97.0	10-163				
Benzo(k)fluoranthene	0.900	0.0500	"	1.00		90.0	16-149				
Bis(2-ethylhexyl)phthalate	0.710	0.500	"	1.00		71.0	10-171				
Chrysene	0.820	0.0500	"	1.00		82.0	33-120				
Dibenzo(a,h)anthracene	0.960	0.0500	"	1.00		96.0	10-149				
Fluoranthene	0.980	0.0500	"	1.00		98.0	33-126				
Fluorene	0.890	0.0500	"	1.00		89.0	28-117				
Hexachlorobenzene	1.03	0.0200	"	1.00		103	27-120				
Hexachlorobutadiene	0.800	0.500	"	1.00		80.0	25-106				
Hexachloroethane	0.600	0.500	"	1.00		60.0	33-84				
Indeno(1,2,3-cd)pyrene	0.960	0.0500	"	1.00		96.0	10-150				
Naphthalene	0.800	0.0500	"	1.00		80.0	30-99				
Nitrobenzene	0.870	0.250	"	1.00		87.0	32-113				
N-Nitrosodimethylamine	ND	0.500	"	1.00			10-63	Low Bias			
Pentachlorophenol	1.17	0.250	"	1.00		117	19-127				
Phenanthrene	0.900	0.0500	"	1.00		90.0	31-112				
Pyrene	0.870	0.0500	"	1.00		87.0	42-125				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH80648 - EPA 3510C											
LCS Dup (BH80648-BSD1)						Prepared & Analyzed: 08/14/2018					
1,1-Biphenyl	21.6	5.00	ug/L	25.0		86.4	21-102		0.922	20	
1,2,4,5-Tetrachlorobenzene	26.6	5.00	"	25.0		106	28-105	High Bias	15.6	20	
1,2,4-Trichlorobenzene	26.6	5.00	"	25.0		107	35-91	High Bias	10.3	20	
1,2-Dichlorobenzene	20.6	5.00	"	25.0		82.3	42-85		2.73	20	
1,2-Diphenylhydrazine (as Azobenzene)	18.0	5.00	"	25.0		71.8	16-137		15.6	20	
1,3-Dichlorobenzene	22.4	5.00	"	25.0		89.4	45-80	High Bias	11.3	20	
1,4-Dichlorobenzene	18.2	5.00	"	25.0		72.9	42-82		1.72	20	
2,3,4,6-Tetrachlorophenol	54.2	5.00	"	25.0		217	30-130	High Bias	11.6	20	
2,4,5-Trichlorophenol	25.2	5.00	"	25.0		101	36-112		1.93	20	
2,4,6-Trichlorophenol	26.8	5.00	"	25.0		107	41-107		6.08	20	
2,4-Dichlorophenol	27.9	5.00	"	25.0		112	43-92	High Bias	1.77	20	
2,4-Dimethylphenol	21.4	5.00	"	25.0		85.8	25-92		7.88	20	
2,4-Dinitrophenol	39.8	5.00	"	25.0		159	10-149	High Bias	11.8	20	
2,4-Dinitrotoluene	27.3	5.00	"	25.0		109	41-114		11.9	20	
2,6-Dinitrotoluene	25.7	5.00	"	25.0		103	49-106		6.35	20	
2-Chloronaphthalene	22.1	5.00	"	25.0		88.3	40-96		0.363	20	
2-Chlorophenol	20.4	5.00	"	25.0		81.6	35-84		1.88	20	
2-Methylnaphthalene	22.4	5.00	"	25.0		89.8	33-101		4.91	20	
2-Methylphenol	15.5	5.00	"	25.0		62.1	10-90		8.34	20	
2-Nitroaniline	22.8	5.00	"	25.0		91.1	31-122		12.1	20	
2-Nitrophenol	24.6	5.00	"	25.0		98.5	37-97	High Bias	1.68	20	
3- & 4-Methylphenols	14.4	5.00	"	25.0		57.6	10-101		2.82	20	
3,3-Dichlorobenzidine	23.0	5.00	"	25.0		92.2	25-155		2.23	20	
3-Nitroaniline	17.9	5.00	"	25.0		71.6	29-128		2.37	20	
4,6-Dinitro-2-methylphenol	31.0	5.00	"	25.0		124	10-135		3.68	20	
4-Bromophenyl phenyl ether	23.8	5.00	"	25.0		95.3	38-116		1.86	20	
4-Chloro-3-methylphenol	25.3	5.00	"	25.0		101	28-101		11.9	20	
4-Chloroaniline	14.1	5.00	"	25.0		56.4	10-154		1.07	20	
4-Chlorophenyl phenyl ether	26.5	5.00	"	25.0		106	34-112		13.8	20	
4-Nitroaniline	18.3	5.00	"	25.0		73.4	15-143		0.821	20	
4-Nitrophenol	10.8	5.00	"	25.0		43.2	10-112		5.71	20	
Acenaphthene	19.8	0.0500	"	25.0		79.0	24-114		1.22	20	
Acenaphthylene	21.1	0.0500	"	25.0		84.6	26-112		5.49	20	
Acetophenone	21.0	5.00	"	25.0		84.0	47-92		5.03	20	
Aniline	8.65	5.00	"	25.0		34.6	10-107		15.4	20	
Anthracene	20.8	0.0500	"	25.0		83.1	35-114		2.48	20	
Atrazine	25.0	0.500	"	25.0		99.9	43-101		1.47	20	
Benzaldehyde	24.3	5.00	"	25.0		97.2	17-117		11.7	20	
Benzo(a)anthracene	22.3	0.0500	"	25.0		89.0	38-127		7.19	20	
Benzo(a)pyrene	23.3	0.0500	"	25.0		93.0	30-146		3.63	20	
Benzo(b)fluoranthene	24.1	0.0500	"	25.0		96.4	36-145		2.38	20	
Benzo(g,h,i)perylene	22.4	0.0500	"	25.0		89.6	10-163		11.3	20	
Benzo(k)fluoranthene	23.9	0.0500	"	25.0		95.6	16-149		5.68	20	
Benzoic acid	ND	50.0	"	25.4			30-130	Low Bias		20	
Benzyl alcohol	15.3	5.00	"	25.0		61.2	18-75		1.56	20	
Benzyl butyl phthalate	22.6	5.00	"	25.0		90.4	28-129		3.86	20	
Bis(2-chloroethoxy)methane	24.2	5.00	"	25.0		96.6	27-112		3.41	20	
Bis(2-chloroethyl)ether	20.6	5.00	"	25.0		82.2	24-114		12.5	20	
Bis(2-chloroisopropyl)ether	19.1	5.00	"	25.0		76.5	21-124		5.84	20	
Bis(2-ethylhexyl)phthalate	22.8	0.500	"	25.0		91.1	10-171		2.30	20	
Caprolactam	4.91	5.00	"	25.0		19.6	10-29		8.05	20	



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

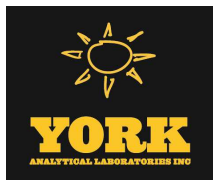
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH80648 - EPA 3510C

LCS Dup (BH80648-BSD1)

Prepared & Analyzed: 08/14/2018

Carbazole	25.6	5.00	ug/L	25.0		102	49-116		4.96	20	
Chrysene	20.2	0.0500	"	25.0		81.0	33-120		6.91	20	
Dibenzo(a,h)anthracene	23.1	0.0500	"	25.0		92.4	10-149		7.78	20	
Dibenzofuran	23.6	5.00	"	25.0		94.2	42-105		5.63	20	
Diethyl phthalate	25.3	5.00	"	25.0		101	38-112		6.92	20	
Dimethyl phthalate	24.5	5.00	"	25.0		97.8	49-106		5.72	20	
Di-n-butyl phthalate	22.3	5.00	"	25.0		89.4	36-110		8.98	20	
Di-n-octyl phthalate	22.0	5.00	"	25.0		88.0	12-149		8.28	20	
Fluoranthene	23.8	0.0500	"	25.0		95.3	33-126		13.8	20	
Fluorene	23.6	0.0500	"	25.0		94.3	28-117		15.6	20	
Hexachlorobenzene	21.0	0.0200	"	25.0		84.0	27-120		7.62	20	
Hexachlorobutadiene	25.0	0.500	"	25.0		100	25-106		6.31	20	
Hexachlorocyclopentadiene	14.2	5.00	"	25.0		56.9	10-99		10.5	20	
Hexachloroethane	18.8	0.500	"	25.0		75.1	33-84		7.11	20	
Indeno(1,2,3-cd)pyrene	23.7	0.0500	"	25.0		94.8	10-150		10.7	20	
Isophorone	23.1	5.00	"	25.0		92.2	29-115		3.98	20	
Naphthalene	19.0	0.0500	"	25.0		76.0	30-99		2.95	20	
Nitrobenzene	20.6	0.250	"	25.0		82.4	32-113		4.51	20	
N-Nitrosodimethylamine	12.4	0.500	"	25.0		49.6	10-63		11.3	20	
N-nitroso-di-n-propylamine	20.9	5.00	"	25.0		83.6	36-118		2.08	20	
N-Nitrosodiphenylamine	26.7	5.00	"	25.0		107	27-145		0.968	20	
Pentachlorophenol	27.3	0.250	"	25.0		109	19-127		7.53	20	
Phenanthrene	22.4	0.0500	"	25.0		89.8	31-112		9.77	20	
Phenol	7.61	5.00	"	25.0		30.4	10-37		5.00	20	
Pyrene	21.5	0.0500	"	25.0		86.0	42-125		6.83	20	
Surrogate: 2-Fluorophenol	29.4		"	50.0		58.9	19.7-63.1				
Surrogate: Phenol-d5	15.9		"	50.0		31.8	10.1-41.7				
Surrogate: Nitrobenzene-d5	23.8		"	25.0		95.0	50.2-113				
Surrogate: 2-Fluorobiphenyl	26.1		"	25.0		104	39.9-105				
Surrogate: 2,4,6-Tribromophenol	60.7		"	50.0		121	39.3-151				
Surrogate: Terphenyl-d14	29.4		"	25.0		118	30.7-106				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BH80646 - EPA SW846-3510C Low Level

Blank (BH80646-BLK1)

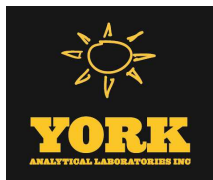
Prepared: 08/14/2018 Analyzed: 08/15/2018

4,4'-DDD	ND	0.00400	ug/L								
4,4'-DDE	ND	0.00400	"								
4,4'-DDT	ND	0.00400	"								
Aldrin	ND	0.00400	"								
alpha-BHC	ND	0.00400	"								
alpha-Chlordane	ND	0.00400	"								
beta-BHC	ND	0.00400	"								
Chlordane, total	ND	0.0200	"								
delta-BHC	ND	0.00400	"								
Dieldrin	ND	0.00200	"								
Endosulfan I	ND	0.00400	"								
Endosulfan II	ND	0.00400	"								
Endosulfan sulfate	ND	0.00400	"								
Endrin	ND	0.00400	"								
Endrin aldehyde	ND	0.0100	"								
Endrin ketone	ND	0.0100	"								
gamma-BHC (Lindane)	ND	0.00400	"								
gamma-Chlordane	ND	0.0100	"								
Heptachlor	ND	0.00400	"								
Heptachlor epoxide	ND	0.00400	"								
Methoxychlor	ND	0.00400	"								
Toxaphene	ND	0.100	"								
Surrogate: Decachlorobiphenyl	0.111		"	0.201		55.4	30-150				
Surrogate: Tetrachloro-m-xylene	0.105		"	0.202		51.9	30-150				

LCS (BH80646-BS1)

Prepared: 08/14/2018 Analyzed: 08/15/2018

4,4'-DDD	0.119	0.00400	ug/L	0.100		119	40-140				
4,4'-DDE	0.105	0.00400	"	0.100		105	40-140				
4,4'-DDT	0.119	0.00400	"	0.100		119	40-140				
Aldrin	0.105	0.00400	"	0.100		105	40-140				
alpha-BHC	0.115	0.00400	"	0.100		115	40-140				
alpha-Chlordane	0.103	0.00400	"	0.100		103	40-140				
beta-BHC	0.0985	0.00400	"	0.100		98.5	40-140				
delta-BHC	0.119	0.00400	"	0.100		119	40-140				
Dieldrin	0.0923	0.00200	"	0.100		92.3	40-140				
Endosulfan I	0.105	0.00400	"	0.100		105	40-140				
Endosulfan II	0.112	0.00400	"	0.100		112	40-140				
Endosulfan sulfate	0.110	0.00400	"	0.100		110	40-140				
Endrin	0.114	0.00400	"	0.100		114	40-140				
Endrin aldehyde	0.110	0.0100	"	0.100		110	40-140				
Endrin ketone	0.109	0.0100	"	0.100		109	40-140				
gamma-BHC (Lindane)	0.115	0.00400	"	0.100		115	40-140				
gamma-Chlordane	0.102	0.0100	"	0.100		102	40-140				
Heptachlor	0.0987	0.00400	"	0.100		98.7	40-140				
Heptachlor epoxide	0.0973	0.00400	"	0.100		97.3	40-140				
Methoxychlor	0.105	0.00400	"	0.100		105	40-140				
Surrogate: Decachlorobiphenyl	0.182		"	0.201		90.4	30-150				
Surrogate: Tetrachloro-m-xylene	0.174		"	0.202		86.3	30-150				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch Y8H1603 - BH80158

Performance Mix (Y8H1603-PEM1)

Prepared & Analyzed: 08/15/2018

4,4'-DDD	0.00		ng/mL	0.00			0-200			
4,4'-DDE	0.571		"	0.00			0-200			
4,4'-DDT	277		"	200		138	0-200			
Endrin	167		"	100		167	0-200			
Endrin aldehyde	2.72		"	0.00			0-200			
Endrin ketone	8.53		"	0.00			0-200			

Performance Mix (Y8H1603-PEM2)

Prepared & Analyzed: 08/15/2018

4,4'-DDD	0.00		ng/mL	0.00			0-200			
4,4'-DDE	0.496		"	0.00			0-200			
4,4'-DDT	316		"	200		158	0-200			
Endrin	185		"	100		185	0-200			
Endrin aldehyde	1.70		"	0.00			0-200			
Endrin ketone	7.15		"	0.00			0-200			

Batch Y8H2015 - BH80158

Performance Mix (Y8H2015-PEM1)

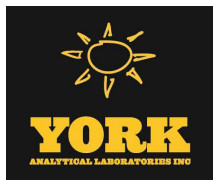
Prepared & Analyzed: 08/17/2018

4,4'-DDD	0.00		ng/mL	0.00			0-200			
4,4'-DDE	0.766		"	0.00			0-200			
4,4'-DDT	311		"	200		156	0-200			
Endrin	189		"	100		189	0-200			
Endrin aldehyde	2.18		"	0.00			0-200			
Endrin ketone	9.22		"	0.00			0-200			

Performance Mix (Y8H2015-PEM2)

Prepared & Analyzed: 08/17/2018

4,4'-DDD	0.00		ng/mL	0.00			0-200			
4,4'-DDE	0.867		"	0.00			0-200			
4,4'-DDT	288		"	200		144	0-200			
Endrin	193		"	100		193	0-200			
Endrin aldehyde	2.52		"	0.00			0-200			
Endrin ketone	10.7		"	0.00			0-200			



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch Y8H2015 - BH80158

Performance Mix (Y8H2015-PEM3)

Prepared: 08/17/2018 Analyzed: 08/18/2018

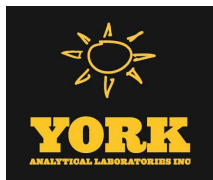
4,4'-DDD	0.00		ng/mL	0.00			0-200			
4,4'-DDE	0.939		"	0.00			0-200			
4,4'-DDT	292		"	200		146	0-200			
Endrin	200		"	100		200	0-200			
Endrin aldehyde	2.87		"	0.00			0-200			
Endrin ketone	10.4		"	0.00			0-200			

Batch Y8H2101 - BH80158

Performance Mix (Y8H2101-PEM1)

Prepared & Analyzed: 08/20/2018

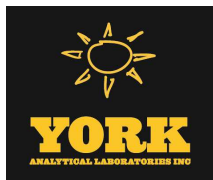
4,4'-DDD	0.00		ng/mL	0.00			0-200			
4,4'-DDE	0.696		"	0.00			0-200			
4,4'-DDT	209		"	200		104	0-200			
Endrin	152		"	100		152	0-200			
Endrin aldehyde	4.18		"	0.00			0-200			
Endrin ketone	11.0		"	0.00			0-200			



Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH80646 - EPA SW846-3510C Low Level											
Blank (BH80646-BLK2)						Prepared & Analyzed: 08/14/2018					
Aroclor 1016	ND	0.0500	ug/L								
Aroclor 1221	ND	0.0500	"								
Aroclor 1232	ND	0.0500	"								
Aroclor 1242	ND	0.0500	"								
Aroclor 1248	ND	0.0500	"								
Aroclor 1254	ND	0.0500	"								
Aroclor 1260	ND	0.0500	"								
Total PCBs	ND	0.0500	"								
Surrogate: Tetrachloro-m-xylene	0.202		"	0.202		100	30-120				
Surrogate: Decachlorobiphenyl	0.173		"	0.201		86.1	30-120				
LCS (BH80646-BS2)						Prepared & Analyzed: 08/14/2018					
Aroclor 1016	1.11	0.0500	ug/L	1.00		111	40-120				
Aroclor 1260	1.07	0.0500	"	1.00		107	40-120				
Surrogate: Tetrachloro-m-xylene	0.202		"	0.202		100	30-120				
Surrogate: Decachlorobiphenyl	0.167		"	0.201		83.1	30-120				
LCS Dup (BH80646-BSD2)						Prepared: 08/14/2018 Analyzed: 08/15/2018					
Aroclor 1016	1.06	0.0500	ug/L	1.00		106	40-120		4.82	30	
Aroclor 1260	1.24	0.0500	"	1.00		124	40-120	High Bias	14.4	30	
Surrogate: Tetrachloro-m-xylene	0.222		"	0.202		110	30-120				
Surrogate: Decachlorobiphenyl	0.231		"	0.201		115	30-120				



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

Batch BH80751 - EPA 3015A

Blank (BH80751-BLK1)

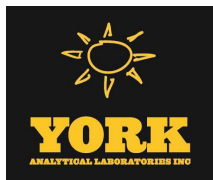
Prepared: 08/15/2018 Analyzed: 08/20/2018

Aluminum	ND	10.0	ug/L
Antimony	ND	1.00	"
Arsenic	ND	1.00	"
Barium	ND	1.00	"
Beryllium	ND	0.300	"
Cadmium	ND	0.500	"
Chromium	ND	1.00	"
Cobalt	ND	1.00	"
Copper	ND	1.00	"
Iron	74.4	10.0	"
Lead	ND	1.00	"
Manganese	ND	1.00	"
Nickel	ND	1.00	"
Selenium	ND	1.00	"
Silver	ND	1.00	"
Thallium	ND	1.00	"
Vanadium	ND	1.00	"
Zinc	ND	1.00	"

LCS (BH80751-BS1)

Prepared: 08/15/2018 Analyzed: 08/20/2018

Aluminum	2260	ug/L	2500	90.3	80-120
Antimony	49.8	"	50.0	99.6	80-120
Arsenic	46.1	"	50.0	92.2	80-120
Barium	45.7	"	50.0	91.3	80-120
Beryllium	45.9	"	50.0	91.9	80-120
Cadmium	47.5	"	50.0	95.1	80-120
Chromium	46.1	"	50.0	92.2	80-120
Cobalt	45.0	"	50.0	90.0	80-120
Copper	46.8	"	50.0	93.7	80-120
Iron	2370	"	2500	94.7	80-120
Lead	49.1	"	50.0	98.3	80-120
Manganese	44.5	"	50.0	88.9	80-120
Nickel	47.0	"	50.0	94.0	80-120
Selenium	40.3	"	50.0	80.7	80-120
Silver	48.1	"	50.0	96.2	80-120
Thallium	47.4	"	50.0	94.9	80-120
Vanadium	44.6	"	50.0	89.2	80-120
Zinc	45.5	"	50.0	90.9	80-120



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

Batch BH80752 - EPA 3015A

Blank (BH80752-BLK1)

Prepared: 08/15/2018 Analyzed: 08/20/2018

Aluminum - Dissolved	ND	10.0	ug/L
Antimony - Dissolved	ND	1.00	"
Arsenic - Dissolved	ND	1.00	"
Barium - Dissolved	ND	1.00	"
Beryllium - Dissolved	ND	0.300	"
Cadmium - Dissolved	ND	0.500	"
Chromium - Dissolved	ND	1.00	"
Cobalt - Dissolved	ND	1.00	"
Copper - Dissolved	ND	1.00	"
Iron - Dissolved	ND	10.0	"
Lead - Dissolved	ND	1.00	"
Manganese - Dissolved	ND	1.00	"
Nickel - Dissolved	ND	1.00	"
Selenium - Dissolved	ND	1.00	"
Silver - Dissolved	ND	1.00	"
Thallium - Dissolved	ND	1.00	"
Vanadium - Dissolved	ND	1.00	"
Zinc - Dissolved	ND	1.00	"

LCS (BH80752-BS1)

Prepared: 08/15/2018 Analyzed: 08/20/2018

Aluminum - Dissolved	2080	ug/L	2500	83.0	80-120
Antimony - Dissolved	48.0	"	50.0	96.0	80-120
Arsenic - Dissolved	43.8	"	50.0	87.6	80-120
Barium - Dissolved	46.2	"	50.0	92.5	80-120
Beryllium - Dissolved	45.3	"	50.0	90.7	80-120
Cadmium - Dissolved	45.1	"	50.0	90.1	80-120
Chromium - Dissolved	43.7	"	50.0	87.5	80-120
Cobalt - Dissolved	42.2	"	50.0	84.5	80-120
Copper - Dissolved	44.4	"	50.0	88.7	80-120
Iron - Dissolved	2310	"	2500	92.5	80-120
Lead - Dissolved	48.7	"	50.0	97.3	80-120
Manganese - Dissolved	44.7	"	50.0	89.5	80-120
Nickel - Dissolved	44.8	"	50.0	89.6	80-120
Selenium - Dissolved	43.8	"	50.0	87.6	80-120
Silver - Dissolved	46.3	"	50.0	92.5	80-120
Thallium - Dissolved	47.5	"	50.0	95.0	80-120
Vanadium - Dissolved	41.0	"	50.0	82.1	80-120
Zinc - Dissolved	44.4	"	50.0	88.8	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 BH80937 - EPA 7473 water

Blank (BH80937-BLK1)

Prepared & Analyzed: 08/20/2018

Mercury	ND	0.20	ug/L

Reference (BH80937-SRM1)

Prepared & Analyzed: 08/20/2018

Mercury	0.0103		mg/L	0.0100		103	70-130

Batch BH80938 - EPA 7473 water

Blank (BH80938-BLK1)

Prepared & Analyzed: 08/20/2018

Mercury - Dissolved	ND	0.0002000	mg/L

Reference (BH80938-SRM1)

Prepared & Analyzed: 08/20/2018

Mercury - Dissolved	0.009593		mg/L	0.0100		95.9	70-130



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
18H0570-01	SB-2 (GW)	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18H0570-02	Trip Blank	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

SCAL-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%).
S-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.
QC-LCS	LCS/LCS Dup recovery was above laboratory control limits. Sample does not contain any target compounds; therefore sample results are acceptable.
M-MBLk	Analyte was detected in the batch method blank above the Reporting Limit.
M-ISO	The ICP/MS result reported for this element used an alternate isotope due to molecular interferences encountered with the sample matrix.
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.
EXT-EM	The sample exhibited emulsion formation during the extraction process. This may affect surrogate recoveries.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

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



Non-Dir. Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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



YORK Analytical Laboratories, Inc.
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YOUR INFORMATION

Company: **GEI Consultants**
Address: **110 Walt Whitman Road
Huntington Station, NY**
Phone: **631-760-9300**
Contact: **William J. Fitchett**
E-mail: **WJFitchett@geiconsultants.com**

Report To:

Company: **GEI Consultants**
Address: **" "**
Phone: **" "**
Contact: **Wendy Montecasso**
E-mail: **WMontecasso@geiconsultants.com**

Invoice To:

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

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

WJF
Samples Collected by: (print your name above and sign below)
William J. Fitchett

YOUR PROJECT NUMBER

YOUR PROJECT NAME

580 Gerard Ave

YOUR PO#:

Turn-Around Time

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

YORK REG. COMP.

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

Report / EDD Type (circle selections)
Summary Report ☒ **Standard Excel EDD**
QA Report ☐ EQUIS (Standard)
NY ASP A Package ☐ NYSDEC EQUIS
NY ASP B Package ☒ NUDEP Reduced Deliverables
NUDEP SRP HazSite
Other: **NUDKQP**

Analysis Requested

TCL VOCs (8260) TCL SVOCs (8270), TAL Metals
PCBs (8082), Pesticides (8081)
TCL VOCs
3 vials
2 vials

Container Description

3 amber, 2 plastic
3 vial vials
2 vial vials

Comments:

Preservation: (check all that apply)

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

Special Instruction

Field Filtered
Lab to Filter ☐

Samples Relinquished by / Company

WJF GEI

Date/Time

**8/13/18
10:25 AM**

Samples Received by / Company

WJF

Date/Time

**8/13/18
10:25 AM**

Samples Relinquished by / Company

WJF

Date/Time

**8/13/18
16:45**

Samples Relinquished by / Company

Date/Time

**8/13/18
10:25 AM**

Samples Received by / Company

WJF

Date/Time

**8/13/18
10:25 AM**

Samples Relinquished by / Company

WJF

Date/Time

**8/13/18
16:45**

Temp. Received at Lab

1-6

Degrees C



Technical Report

prepared for:

GEI Consultants, Inc
110 Walt Whitman Road, Suite 204
Huntington Station NY, 11746
Attention: Wendy Monterosso

Report Date: 08/21/2018
Client Project ID: 580 Gerard Ave
York Project (SDG) No.: 18H0567

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: 08/21/2018
Client Project ID: 580 Gerard Ave
York Project (SDG) No.: 18H0567

GEI Consultants, Inc
110 Walt Whitman Road, Suite 204
Huntington Station NY, 11746
Attention: Wendy Monterosso

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 13, 2018 and listed below. The project was identified as your project: **580 Gerard Ave.**

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>
18H0567-01	SB-5 (GW)	Water	08/10/2018	08/13/2018

General Notes for York Project (SDG) No.: 18H0567

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: 08/21/2018





Sample Information

Client Sample ID: SB-5 (GW)

York Sample ID: 18H0567-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H0567

580 Gerard Ave

Water

August 10, 2018 5:45 pm

08/13/2018

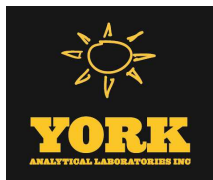
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
95-63-6	1,2,4-Trimethylbenzene	3.0		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
108-67-8	1,3,5-Trimethylbenzene	1.2		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
123-91-1	1,4-Dioxane	ND		ug/L	40	200	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS



Sample Information

Client Sample ID: SB-5 (GW)

York Sample ID: 18H0567-01

York Project (SDG) No.
18H0567

Client Project ID
580 Gerard Ave

Matrix
Water

Collection Date/Time
August 10, 2018 5:45 pm

Date Received
08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
107-13-1	Acrylonitrile	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
75-27-4	Bromodichloromethane	0.95		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
67-66-3	Chloroform	16		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS



Sample Information

Client Sample ID: SB-5 (GW)

York Sample ID: 18H0567-01

York Project (SDG) No.
18H0567

Client Project ID
580 Gerard Ave

Matrix
Water

Collection Date/Time
August 10, 2018 5:45 pm

Date Received
08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
108-87-2	Methylcyclohexane	0.47	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
103-65-1	n-Propylbenzene	0.40	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	2.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/16/2018 07:30	08/16/2018 17:09	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/16/2018 07:30	08/16/2018 17:09	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/16/2018 07:30	08/16/2018 17:09	SS
Surrogate Recoveries		Result	Acceptance Range								



Sample Information

Client Sample ID: SB-5 (GW)

York Sample ID: 18H0567-01

York Project (SDG) No.
18H0567

Client Project ID
580 Gerard Ave

Matrix
Water

Collection Date/Time
August 10, 2018 5:45 pm

Date Received
08/13/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	108 %			69-130						
2037-26-5	Surrogate: Toluene-d8	101 %			81-117						
460-00-4	Surrogate: p-Bromofluorobenzene	105 %			79-122						

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes: EXT-D

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 16:50	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 16:50	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 16:50	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/14/2018 08:30	08/15/2018 16:50	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 16:50	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/14/2018 08:30	08/15/2018 16:50	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/14/2018 08:30	08/15/2018 16:50	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 16:50	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 16:50	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 16:50	KH
120-83-2	2,4-Dichlorophenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 16:50	KH
105-67-9	2,4-Dimethylphenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 16:50	KH
51-28-5	2,4-Dinitrophenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 16:50	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 16:50	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 16:50	KH
91-58-7	2-Chloronaphthalene	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 16:50	KH
95-57-8	2-Chlorophenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 16:50	KH
91-57-6	2-Methylnaphthalene	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 16:50	KH



Sample Information

Client Sample ID: SB-5 (GW)

York Sample ID: 18H0567-01

York Project (SDG) No.
18H0567

Client Project ID
580 Gerard Ave

Matrix
Water

Collection Date/Time
August 10, 2018 5:45 pm

Date Received
08/13/2018

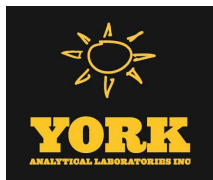
Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes: EXT-D

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	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 16:50	KH
88-74-4	2-Nitroaniline	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 16:50	KH
88-75-5	2-Nitrophenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 16:50	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 16:50	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 16:50	KH
99-09-2	3-Nitroaniline	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 16:50	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 16:50	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 16:50	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 16:50	KH
106-47-8	4-Chloroaniline	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 16:50	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 16:50	KH
100-01-6	4-Nitroaniline	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 16:50	KH
100-02-7	4-Nitrophenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 16:50	KH
83-32-9	Acenaphthene	ND		ug/L	0.0606	0.0606	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 09:39	SR
208-96-8	Acenaphthylene	ND		ug/L	0.0606	0.0606	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 09:39	SR
98-86-2	Acetophenone	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 16:50	KH
62-53-3	Aniline	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 16:50	KH
120-12-7	Anthracene	ND		ug/L	0.0606	0.0606	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 09:39	SR
1912-24-9	Atrazine	ND		ug/L	0.606	0.606	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 09:39	SR
100-52-7	Benzaldehyde	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 16:50	KH
92-87-5	Benzidine	ND		ug/L	12.1	24.2	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 16:50	KH
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0606	0.0606	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 09:39	SR
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0606	0.0606	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 09:39	SR



Sample Information

Client Sample ID: SB-5 (GW)

York Sample ID: 18H0567-01

York Project (SDG) No.
18H0567

Client Project ID
580 Gerard Ave

Matrix
Water

Collection Date/Time
August 10, 2018 5:45 pm

Date Received
08/13/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes: EXT-D

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
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0606	0.0606	1	EPA 8270D Certifications:	08/14/2018 08:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:39	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0606	0.0606	1	EPA 8270D Certifications:	08/14/2018 08:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:39	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0606	0.0606	1	EPA 8270D Certifications:	08/14/2018 08:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:39	SR
65-85-0	Benzoic acid	ND		ug/L	30.3	60.6	1	EPA 8270D Certifications:	08/14/2018 08:30 NELAC-NY10854,NJDEP,PADEP	08/15/2018 16:50	KH
100-51-6	Benzyl alcohol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications:	08/14/2018 08:30 NELAC-NY10854,NJDEP,PADEP	08/15/2018 16:50	KH
85-68-7	Benzyl butyl phthalate	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications:	08/14/2018 08:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 16:50	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications:	08/14/2018 08:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 16:50	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications:	08/14/2018 08:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 16:50	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications:	08/14/2018 08:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 16:50	KH
117-81-7	Bis(2-ethylhexyl)phthalate	0.885		ug/L	0.606	0.606	1	EPA 8270D Certifications:	08/14/2018 08:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:39	SR
105-60-2	Caprolactam	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications:	08/14/2018 08:30 NELAC-NY10854,NJDEP,PADEP	08/15/2018 16:50	KH
86-74-8	Carbazole	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications:	08/14/2018 08:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 16:50	KH
218-01-9	Chrysene	ND		ug/L	0.0606	0.0606	1	EPA 8270D Certifications:	08/14/2018 08:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:39	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0606	0.0606	1	EPA 8270D Certifications:	08/14/2018 08:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:39	SR
132-64-9	Dibenzofuran	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications:	08/14/2018 08:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 16:50	KH
84-66-2	Diethyl phthalate	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications:	08/14/2018 08:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 16:50	KH
131-11-3	Dimethyl phthalate	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications:	08/14/2018 08:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 16:50	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications:	08/14/2018 08:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 16:50	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications:	08/14/2018 08:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 16:50	KH
206-44-0	Fluoranthene	ND		ug/L	0.0606	0.0606	1	EPA 8270D Certifications:	08/14/2018 08:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:39	SR
86-73-7	Fluorene	ND		ug/L	0.0606	0.0606	1	EPA 8270D Certifications:	08/14/2018 08:30 NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:39	SR
118-74-1	Hexachlorobenzene	ND		ug/L	0.0242	0.0242	1	EPA 8270D Certifications:	08/14/2018 08:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:39	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.606	0.606	1	EPA 8270D Certifications:	08/14/2018 08:30 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 09:39	SR



Sample Information

Client Sample ID: SB-5 (GW)

York Sample ID: 18H0567-01

York Project (SDG) No.
18H0567

Client Project ID
580 Gerard Ave

Matrix
Water

Collection Date/Time
August 10, 2018 5:45 pm

Date Received
08/13/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes: EXT-D

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 16:50	KH
67-72-1	Hexachloroethane	ND		ug/L	0.606	0.606	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 09:39	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0606	0.0606	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 09:39	SR
78-59-1	Isophorone	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 16:50	KH
91-20-3	Naphthalene	0.145		ug/L	0.0606	0.0606	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 09:39	SR
98-95-3	Nitrobenzene	ND		ug/L	0.303	0.303	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 09:39	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.606	0.606	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 09:39	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 16:50	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 16:50	KH
87-86-5	Pentachlorophenol	ND		ug/L	0.303	0.303	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 09:39	SR
85-01-8	Phenanthrene	0.0848		ug/L	0.0606	0.0606	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 09:39	SR
108-95-2	Phenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 16:50	KH
129-00-0	Pyrene	ND		ug/L	0.0606	0.0606	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:30	08/15/2018 09:39	SR
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: 2-Fluorophenol	25.6 %									
4165-62-2	Surrogate: Phenol-d5	14.6 %									
4165-60-0	Surrogate: Nitrobenzene-d5	46.6 %	S-08								
321-60-8	Surrogate: 2-Fluorobiphenyl	63.7 %									
118-79-6	Surrogate: 2,4,6-Tribromophenol	79.4 %									
1718-51-0	Surrogate: Terphenyl-d14	81.6 %									

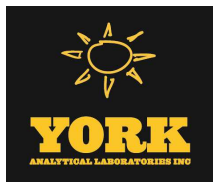
Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00485	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:21	08/15/2018 17:53	SA
72-55-9	4,4'-DDE	ND		ug/L	0.00485	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:21	08/15/2018 17:53	SA
50-29-3	4,4'-DDT	ND		ug/L	0.00485	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/14/2018 08:21	08/15/2018 17:53	SA



Sample Information

Client Sample ID: SB-5 (GW)

York Sample ID: 18H0567-01

<u>York Project (SDG) No.</u> 18H0567	<u>Client Project ID</u> 580 Gerard Ave	<u>Matrix</u> Water	<u>Collection Date/Time</u> August 10, 2018 5:45 pm	<u>Date Received</u> 08/13/2018

12674-11-2	Aroclor 1016	ND	ug/L	0.0606	1	EPA 8082A Certifications:	08/14/2018 08:21 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/16/2018 12:26	LAB
11104-28-2	Aroclor 1221	ND	ug/L	0.0606	1	EPA 8082A Certifications:	08/14/2018 08:21 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/16/2018 12:26	LAB
11141-16-5	Aroclor 1232	ND	ug/L	0.0606	1	EPA 8082A Certifications:	08/14/2018 08:21 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/16/2018 12:26	LAB
53469-21-9	Aroclor 1242	ND	ug/L	0.0606	1	EPA 8082A Certifications:	08/14/2018 08:21 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/16/2018 12:26	LAB
12672-29-6	Aroclor 1248	ND	ug/L	0.0606	1	EPA 8082A Certifications:	08/14/2018 08:21 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/16/2018 12:26	LAB
11097-69-1	Aroclor 1254	ND	ug/L	0.0606	1	EPA 8082A Certifications:	08/14/2018 08:21 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/16/2018 12:26	LAB
11096-82-5	Aroclor 1260	0.0836	ug/L	0.0606	1	EPA 8082A Certifications:	08/14/2018 08:21 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/16/2018 12:26	LAB
1336-36-3	* Total PCBs	0.0836	ug/L	0.0606	1	EPA 8082A Certifications:	08/14/2018 08:21 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/16/2018 12:26	LAB
Surrogate Recoveries		Result	Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	69.3 %	30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	68.7 %	30-120						

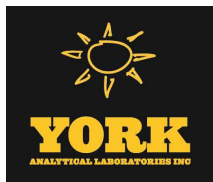
Metals, TAL, ICPMS

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:	08/15/2018 10:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/21/2018 18:39	KML
7440-38-2	Arsenic	ND		ug/L	1.00	1	EPA 6020A Certifications:	08/15/2018 10:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/21/2018 18:39	KML
7440-39-3	Barium	76.4		ug/L	1.00	1	EPA 6020A Certifications:	08/15/2018 10:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/21/2018 18:39	KML
7440-41-7	Beryllium	ND		ug/L	0.300	1	EPA 6020A Certifications:	08/15/2018 10:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/21/2018 18:39	KML
7440-43-9	Cadmium	ND		ug/L	0.500	1	EPA 6020A Certifications:	08/15/2018 10:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/21/2018 18:39	KML
7440-47-3	Chromium	3.85		ug/L	1.00	1	EPA 6020A Certifications:	08/15/2018 10:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/21/2018 18:39	KML
7440-48-4	Cobalt	2.50		ug/L	1.00	1	EPA 6020A Certifications:	08/15/2018 10:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/21/2018 18:39	KML
7440-50-8	Copper	5.17		ug/L	1.00	1	EPA 6020A Certifications:	08/15/2018 10:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/21/2018 18:39	KML
7439-89-6	Iron	1780	B	ug/L	10.0	1	EPA 6020A Certifications:	08/15/2018 10:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/21/2018 18:39	KML
7439-92-1	Lead	2.51		ug/L	1.00	1	EPA 6020A Certifications:	08/15/2018 10:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/21/2018 18:39	KML
7439-96-5	Manganese	259		ug/L	1.00	1	EPA 6020A Certifications:	08/15/2018 10:59 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/21/2018 18:39	KML



Sample Information

Client Sample ID: SB-5 (GW)

York Sample ID: 18H0567-01

York Project (SDG) No.

18H0567

Client Project ID

580 Gerard Ave

Matrix

Water

Collection Date/Time

August 10, 2018 5:45 pm

Date Received

08/13/2018

Metals, TAL, 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
7440-02-0	Nickel	4.70		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 10:59	08/21/2018 18:39	KML
7782-49-2	Selenium	1.10		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 10:59	08/21/2018 18:39	KML
7440-22-4	Silver	ND		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 10:59	08/21/2018 18:39	KML
7440-28-0	Thallium	ND		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 10:59	08/21/2018 18:39	KML
7440-62-2	Vanadium	3.71		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 10:59	08/21/2018 18:39	KML
7440-66-6	Zinc	48.2		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 10:59	08/21/2018 18:39	KML

Metals, TAL, ICPMS Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	322		ug/L	10.0	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 11:01	08/20/2018 17:50	BML
7440-36-0	Antimony	ND		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 11:01	08/20/2018 17:50	BML
7440-38-2	Arsenic	ND		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 11:01	08/20/2018 17:50	BML
7440-39-3	Barium	62.9		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 11:01	08/20/2018 17:50	BML
7440-41-7	Beryllium	ND		ug/L	0.300	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 11:01	08/20/2018 17:50	BML
7440-43-9	Cadmium	ND		ug/L	0.500	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 11:01	08/20/2018 17:50	BML
7440-47-3	Chromium	1.70		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 11:01	08/20/2018 17:50	BML
7440-48-4	Cobalt	1.03		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 11:01	08/20/2018 17:50	BML
7440-50-8	Copper	2.56		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 11:01	08/20/2018 17:50	BML
7439-89-6	Iron	712		ug/L	10.0	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 11:01	08/20/2018 17:50	BML
7439-92-1	Lead	1.55		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 11:01	08/20/2018 17:50	BML
7439-96-5	Manganese	122		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 11:01	08/20/2018 17:50	BML
7440-02-0	Nickel	2.07		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 11:01	08/20/2018 17:50	BML
7782-49-2	Selenium	ND		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 11:01	08/20/2018 17:50	BML



Sample Information

Client Sample ID: SB-5 (GW)

York Sample ID: 18H0567-01

York Project (SDG) No.
18H0567

Client Project ID
580 Gerard Ave

Matrix
Water

Collection Date/Time
August 10, 2018 5:45 pm

Date Received
08/13/2018

Metals, TAL, ICPMS Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-22-4	Silver	ND		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 11:01	08/20/2018 17:50	BML
7440-28-0	Thallium	ND		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 11:01	08/20/2018 17:50	BML
7440-62-2	Vanadium	1.00		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 11:01	08/20/2018 17:50	BML
7440-66-6	Zinc	481		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/15/2018 11:01	08/20/2018 17:50	BML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		ug/L	0.20	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2018 09:12	08/20/2018 14:15	SY

Mercury by 7473, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002000	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/20/2018 09:14	08/20/2018 12:16	SY



Analytical Batch Summary

Batch ID: BH80646 **Preparation Method:** EPA SW846-3510C Low Level **Prepared By:** TMP

YORK Sample ID	Client Sample ID	Preparation Date
18H0567-01	SB-5 (GW)	08/14/18
18H0567-01	SB-5 (GW)	08/14/18
BH80646-BLK1	Blank	08/14/18
BH80646-BLK2	Blank	08/14/18
BH80646-BS1	LCS	08/14/18
BH80646-BS2	LCS	08/14/18
BH80646-BSD2	LCS Dup	08/14/18

Batch ID: BH80648 **Preparation Method:** EPA 3510C **Prepared By:** TMP

YORK Sample ID	Client Sample ID	Preparation Date
18H0567-01	SB-5 (GW)	08/14/18
BH80648-BLK1	Blank	08/14/18
BH80648-BLK2	Blank	08/14/18
BH80648-BS1	LCS	08/14/18
BH80648-BS2	LCS	08/14/18
BH80648-BSD1	LCS Dup	08/14/18

Batch ID: BH80751 **Preparation Method:** EPA 3015A **Prepared By:** BML

YORK Sample ID	Client Sample ID	Preparation Date
18H0567-01	SB-5 (GW)	08/15/18
BH80751-BLK1	Blank	08/15/18
BH80751-BS1	LCS	08/15/18

Batch ID: BH80752 **Preparation Method:** EPA 3015A **Prepared By:** BML

YORK Sample ID	Client Sample ID	Preparation Date
18H0567-01	SB-5 (GW)	08/15/18
BH80752-BLK1	Blank	08/15/18
BH80752-BS1	LCS	08/15/18

Batch ID: BH80792 **Preparation Method:** EPA 5030B **Prepared By:** TAB

YORK Sample ID	Client Sample ID	Preparation Date
18H0567-01	SB-5 (GW)	08/16/18
BH80792-BLK1	Blank	08/16/18
BH80792-BS1	LCS	08/16/18
BH80792-BSD1	LCS Dup	08/16/18

Batch ID: BH80937 **Preparation Method:** EPA 7473 water **Prepared By:** KML



YORK Sample ID	Client Sample ID	Preparation Date
18H0567-01	SB-5 (GW)	08/20/18
BH80937-BLK1	Blank	08/20/18
BH80937-SRM1	Reference	08/20/18

Batch ID: BH80938 **Preparation Method:** EPA 7473 water **Prepared By:** KML

YORK Sample ID	Client Sample ID	Preparation Date
18H0567-01	SB-5 (GW)	08/20/18
BH80938-BLK1	Blank	08/20/18
BH80938-SRM1	Reference	08/20/18



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 BH80792 - EPA 5030B											
Blank (BH80792-BLK1)										Prepared & Analyzed: 08/16/2018	
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,3-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	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	40	"								
2-Butanone	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Acrolein	ND	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
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	"								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								
Methylene chloride	ND	2.0	"								



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 BH80792 - EPA 5030B

Blank (BH80792-BLK1)

Prepared & Analyzed: 08/16/2018

n-Butylbenzene	ND	0.50	ug/L								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	1.0	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
trans-1,4-dichloro-2-butene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: 1,2-Dichloroethane-d4	10.8		"	10.0		108	69-130				
Surrogate: Toluene-d8	10.1		"	10.0		101	81-117				
Surrogate: p-Bromofluorobenzene	10.6		"	10.0		106	79-122				

LCS (BH80792-BS1)

Prepared & Analyzed: 08/16/2018

1,1,1,2-Tetrachloroethane	10		ug/L	10.0		103	82-126				
1,1,1-Trichloroethane	11		"	10.0		106	78-136				
1,1,2,2-Tetrachloroethane	10		"	10.0		104	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12		"	10.0		116	54-165				
1,1,2-Trichloroethane	9.7		"	10.0		96.9	82-123				
1,1-Dichloroethane	11		"	10.0		108	82-129				
1,1-Dichloroethylene	11		"	10.0		109	68-138				
1,2,3-Trichlorobenzene	11		"	10.0		109	76-136				
1,2,3-Trichloropropane	10		"	10.0		103	77-128				
1,2,4-Trichlorobenzene	10		"	10.0		99.9	76-137				
1,2,4-Trimethylbenzene	11		"	10.0		105	82-132				
1,2-Dibromo-3-chloropropane	10		"	10.0		103	45-147				
1,2-Dibromoethane	10		"	10.0		100	83-124				
1,2-Dichlorobenzene	10		"	10.0		101	79-123				
1,2-Dichloroethane	11		"	10.0		107	73-132				
1,2-Dichloropropane	10		"	10.0		100	78-126				
1,3,5-Trimethylbenzene	11		"	10.0		106	80-131				
1,3-Dichlorobenzene	10		"	10.0		99.9	86-122				
1,4-Dichlorobenzene	9.9		"	10.0		98.9	85-124				
1,4-Dioxane	350		"	210		165	10-349				
2-Butanone	11		"	10.0		114	49-152				
2-Hexanone	11		"	10.0		108	51-146				
4-Methyl-2-pentanone	11		"	10.0		108	57-145				
Acetone	10		"	10.0		101	14-150				
Acrolein	18		"	10.0		184	10-153	High Bias			
Acrylonitrile	8.5		"	10.0		84.8	51-150				
Benzene	10		"	10.0		102	85-126				
Bromochloromethane	11		"	10.0		105	77-128				



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 BH80792 - EPA 5030B

LCS (BH80792-BS1)

Prepared & Analyzed: 08/16/2018

Bromodichloromethane	10		ug/L	10.0		100	79-128				
Bromoform	10		"	10.0		99.6	78-133				
Bromomethane	10		"	10.0		99.8	43-168				
Carbon disulfide	12		"	10.0		120	68-146				
Carbon tetrachloride	11		"	10.0		109	77-141				
Chlorobenzene	10		"	10.0		102	88-120				
Chloroethane	9.6		"	10.0		96.1	65-136				
Chloroform	10		"	10.0		102	82-128				
Chloromethane	10		"	10.0		104	43-155				
cis-1,2-Dichloroethylene	11		"	10.0		106	83-129				
cis-1,3-Dichloropropylene	10		"	10.0		102	80-131				
Cyclohexane	12		"	10.0		116	63-149				
Dibromochloromethane	10		"	10.0		99.6	80-130				
Dibromomethane	10		"	10.0		101	72-134				
Dichlorodifluoromethane	14		"	10.0		141	44-144				
Ethyl Benzene	11		"	10.0		107	80-131				
Hexachlorobutadiene	11		"	10.0		107	67-146				
Isopropylbenzene	10		"	10.0		105	76-140				
Methyl acetate	10		"	10.0		102	51-139				
Methyl tert-butyl ether (MTBE)	11		"	10.0		111	76-135				
Methylcyclohexane	11		"	10.0		112	72-143				
Methylene chloride	11		"	10.0		112	55-137				
n-Butylbenzene	11		"	10.0		111	79-132				
n-Propylbenzene	11		"	10.0		109	78-133				
o-Xylene	11		"	10.0		107	78-130				
p- & m- Xylenes	19		"	20.0		96.1	77-133				
p-Isopropyltoluene	11		"	10.0		109	81-136				
sec-Butylbenzene	11		"	10.0		114	79-137				
Styrene	10		"	10.0		103	67-132				
tert-Butyl alcohol (TBA)	57		"	50.0		115	25-162				
tert-Butylbenzene	11		"	10.0		106	77-138				
Tetrachloroethylene	7.6		"	10.0		76.5	82-131	Low Bias			
Toluene	10		"	10.0		104	80-127				
trans-1,2-Dichloroethylene	11		"	10.0		109	80-132				
trans-1,3-Dichloropropylene	10		"	10.0		101	78-131				
trans-1,4-dichloro-2-butene	10		"	10.0		102	63-141				
Trichloroethylene	10		"	10.0		104	82-128				
Trichlorofluoromethane	10		"	10.0		100	67-139				
Vinyl Chloride	11		"	10.0		107	58-145				
Surrogate: 1,2-Dichloroethane-d4	10.3		"	10.0		103	69-130				
Surrogate: Toluene-d8	10.1		"	10.0		101	81-117				
Surrogate: p-Bromofluorobenzene	10.2		"	10.0		102	79-122				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH80792 - EPA 5030B											
LCS Dup (BH80792-BSD1)						Prepared & Analyzed: 08/16/2018					
1,1,1,2-Tetrachloroethane	10		ug/L	10.0		102	82-126		0.681	30	
1,1,1-Trichloroethane	10		"	10.0		101	78-136		4.53	30	
1,1,2,2-Tetrachloroethane	10		"	10.0		100	76-129		3.42	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11		"	10.0		107	54-165		8.42	30	
1,1,2-Trichloroethane	9.8		"	10.0		98.2	82-123		1.33	30	
1,1-Dichloroethane	10		"	10.0		105	82-129		3.10	30	
1,1-Dichloroethylene	9.8		"	10.0		98.2	68-138		10.6	30	
1,2,3-Trichlorobenzene	10		"	10.0		104	76-136		5.07	30	
1,2,3-Trichloropropane	9.8		"	10.0		98.3	77-128		4.57	30	
1,2,4-Trichlorobenzene	9.8		"	10.0		98.1	76-137		1.82	30	
1,2,4-Trimethylbenzene	10		"	10.0		102	82-132		2.70	30	
1,2-Dibromo-3-chloropropane	9.9		"	10.0		99.0	45-147		4.06	30	
1,2-Dibromoethane	10		"	10.0		99.8	83-124		0.400	30	
1,2-Dichlorobenzene	9.9		"	10.0		99.2	79-123		1.60	30	
1,2-Dichloroethane	11		"	10.0		106	73-132		0.844	30	
1,2-Dichloropropane	10		"	10.0		101	78-126		0.397	30	
1,3,5-Trimethylbenzene	10		"	10.0		103	80-131		2.87	30	
1,3-Dichlorobenzene	9.8		"	10.0		98.4	86-122		1.51	30	
1,4-Dichlorobenzene	9.8		"	10.0		97.5	85-124		1.43	30	
1,4-Dioxane	170		"	210		81.1	10-349		68.1	30	Non-dir.
2-Butanone	9.6		"	10.0		95.7	49-152		17.5	30	
2-Hexanone	10		"	10.0		105	51-146		2.92	30	
4-Methyl-2-pentanone	11		"	10.0		106	57-145		2.71	30	
Acetone	8.9		"	10.0		89.2	14-150		12.0	30	
Acrolein	18		"	10.0		178	10-153	High Bias	3.38	30	
Acrylonitrile	7.6		"	10.0		76.2	51-150		10.7	30	
Benzene	10		"	10.0		101	85-126		1.18	30	
Bromochloromethane	10		"	10.0		104	77-128		1.53	30	
Bromodichloromethane	10		"	10.0		101	79-128		0.596	30	
Bromoform	9.8		"	10.0		98.4	78-133		1.21	30	
Bromomethane	9.5		"	10.0		94.6	43-168		5.35	30	
Carbon disulfide	11		"	10.0		113	68-146		6.36	30	
Carbon tetrachloride	10		"	10.0		104	77-141		4.89	30	
Chlorobenzene	10		"	10.0		101	88-120		1.08	30	
Chloroethane	9.1		"	10.0		90.8	65-136		5.67	30	
Chloroform	10		"	10.0		100	82-128		1.39	30	
Chloromethane	10		"	10.0		102	43-155		1.85	30	
cis-1,2-Dichloroethylene	10		"	10.0		104	83-129		1.24	30	
cis-1,3-Dichloropropylene	10		"	10.0		101	80-131		0.494	30	
Cyclohexane	11		"	10.0		110	63-149		5.51	30	
Dibromochloromethane	10		"	10.0		102	80-130		2.18	30	
Dibromomethane	10		"	10.0		100	72-134		0.598	30	
Dichlorodifluoromethane	13		"	10.0		132	44-144		6.65	30	
Ethyl Benzene	11		"	10.0		105	80-131		1.70	30	
Hexachlorobutadiene	10		"	10.0		104	67-146		2.94	30	
Isopropylbenzene	10		"	10.0		102	76-140		2.61	30	
Methyl acetate	9.2		"	10.0		92.3	51-139		9.79	30	
Methyl tert-butyl ether (MTBE)	11		"	10.0		108	76-135		2.01	30	
Methylcyclohexane	11		"	10.0		107	72-143		4.31	30	
Methylene chloride	11		"	10.0		106	55-137		5.40	30	
n-Butylbenzene	11		"	10.0		108	79-132		2.74	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 BH80792 - EPA 5030B

LCS Dup (BH80792-BSD1)

Prepared & Analyzed: 08/16/2018

n-Propylbenzene	10		ug/L	10.0		105	78-133		3.75	30
o-Xylene	11		"	10.0		106	78-130		1.69	30
p- & m- Xylenes	19		"	20.0		94.3	77-133		1.89	30
p-Isopropyltoluene	10		"	10.0		105	81-136		3.65	30
sec-Butylbenzene	11		"	10.0		109	79-137		4.23	30
Styrene	10		"	10.0		100	67-132		2.17	30
tert-Butyl alcohol (TBA)	43		"	50.0		86.2	25-162		28.4	30
tert-Butylbenzene	10		"	10.0		103	77-138		3.73	30
Tetrachloroethylene	7.4		"	10.0		73.9	82-131	Low Bias	3.46	30
Toluene	10		"	10.0		102	80-127		2.13	30
trans-1,2-Dichloroethylene	11		"	10.0		106	80-132		3.36	30
trans-1,3-Dichloropropylene	10		"	10.0		101	78-131		0.198	30
trans-1,4-dichloro-2-butene	10		"	10.0		99.9	63-141		1.98	30
Trichloroethylene	10		"	10.0		101	82-128		2.24	30
Trichlorofluoromethane	9.3		"	10.0		92.9	67-139		7.56	30
Vinyl Chloride	10		"	10.0		100	58-145		6.19	30
Surrogate: 1,2-Dichloroethane-d4	10.4		"	10.0		104	69-130			
Surrogate: Toluene-d8	10.0		"	10.0		100	81-117			
Surrogate: p-Bromofluorobenzene	9.98		"	10.0		99.8	79-122			



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BH80648 - EPA 3510C

Blank (BH80648-BLK1)

Prepared & Analyzed: 08/14/2018

1,1-Biphenyl	ND	5.00	ug/L
1,2,4,5-Tetrachlorobenzene	ND	5.00	"
1,2,4-Trichlorobenzene	ND	5.00	"
1,2-Dichlorobenzene	ND	5.00	"
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"
1,3-Dichlorobenzene	ND	5.00	"
1,4-Dichlorobenzene	ND	5.00	"
2,3,4,6-Tetrachlorophenol	ND	5.00	"
2,4,5-Trichlorophenol	ND	5.00	"
2,4,6-Trichlorophenol	ND	5.00	"
2,4-Dichlorophenol	ND	5.00	"
2,4-Dimethylphenol	ND	5.00	"
2,4-Dinitrophenol	ND	5.00	"
2,4-Dinitrotoluene	ND	5.00	"
2,6-Dinitrotoluene	ND	5.00	"
2-Chloronaphthalene	ND	5.00	"
2-Chlorophenol	ND	5.00	"
2-Methylnaphthalene	ND	5.00	"
2-Methylphenol	ND	5.00	"
2-Nitroaniline	ND	5.00	"
2-Nitrophenol	ND	5.00	"
3- & 4-Methylphenols	ND	5.00	"
3,3-Dichlorobenzidine	ND	5.00	"
3-Nitroaniline	ND	5.00	"
4,6-Dinitro-2-methylphenol	ND	5.00	"
4-Bromophenyl phenyl ether	ND	5.00	"
4-Chloro-3-methylphenol	ND	5.00	"
4-Chloroaniline	ND	5.00	"
4-Chlorophenyl phenyl ether	ND	5.00	"
4-Nitroaniline	ND	5.00	"
4-Nitrophenol	ND	5.00	"
Acenaphthene	ND	0.0500	"
Acenaphthylene	ND	0.0500	"
Acetophenone	ND	5.00	"
Aniline	ND	5.00	"
Anthracene	ND	0.0500	"
Atrazine	ND	0.500	"
Benzaldehyde	ND	5.00	"
Benzidine	ND	20.0	"
Benzo(a)anthracene	ND	0.0500	"
Benzo(a)pyrene	ND	0.0500	"
Benzo(b)fluoranthene	ND	0.0500	"
Benzo(g,h,i)perylene	ND	0.0500	"
Benzo(k)fluoranthene	ND	0.0500	"
Benzoic acid	ND	50.0	"
Benzyl alcohol	ND	5.00	"
Benzyl butyl phthalate	ND	5.00	"
Bis(2-chloroethoxy)methane	ND	5.00	"
Bis(2-chloroethyl)ether	ND	5.00	"
Bis(2-chloroisopropyl)ether	ND	5.00	"
Bis(2-ethylhexyl)phthalate	ND	0.500	"



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BH80648 - EPA 3510C

Blank (BH80648-BLK1)

Prepared & Analyzed: 08/14/2018

Caprolactam	ND	5.00	ug/L								
Carbazole	ND	5.00	"								
Chrysene	ND	0.0500	"								
Dibenzo(a,h)anthracene	ND	0.0500	"								
Dibenzofuran	ND	5.00	"								
Diethyl phthalate	ND	5.00	"								
Dimethyl phthalate	ND	5.00	"								
Di-n-butyl phthalate	ND	5.00	"								
Di-n-octyl phthalate	ND	5.00	"								
Fluoranthene	ND	0.0500	"								
Fluorene	ND	0.0500	"								
Hexachlorobenzene	ND	0.0200	"								
Hexachlorobutadiene	ND	0.500	"								
Hexachlorocyclopentadiene	ND	5.00	"								
Hexachloroethane	ND	0.500	"								
Indeno(1,2,3-cd)pyrene	ND	0.0500	"								
Isophorone	ND	5.00	"								
Naphthalene	ND	0.0500	"								
Nitrobenzene	ND	0.250	"								
N-Nitrosodimethylamine	ND	0.500	"								
N-nitroso-di-n-propylamine	ND	5.00	"								
N-Nitrosodiphenylamine	ND	5.00	"								
Pentachlorophenol	ND	0.250	"								
Phenanthrene	ND	0.0500	"								
Phenol	ND	5.00	"								
Pyrene	ND	0.0500	"								
Surrogate: 2-Fluorophenol	25.3		"	50.0		50.5	19.7-63.1				
Surrogate: Phenol-d5	13.3		"	50.0		26.6	10.1-41.7				
Surrogate: Nitrobenzene-d5	20.4		"	25.0		81.7	50.2-113				
Surrogate: 2-Fluorobiphenyl	26.1		"	25.0		105	39.9-105				
Surrogate: 2,4,6-Tribromophenol	50.6		"	50.0		101	39.3-151				
Surrogate: Terphenyl-d14	27.8		"	25.0		111	30.7-106				



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 BH80648 - EPA 3510C

Blank (BH80648-BLK2)

Prepared & Analyzed: 08/14/2018

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

LCS (BH80648-BS1)

Prepared & Analyzed: 08/14/2018

1,1-Biphenyl	21.8	5.00	ug/L	25.0	87.2	21-102	
1,2,4,5-Tetrachlorobenzene	22.7	5.00	"	25.0	90.8	28-105	
1,2,4-Trichlorobenzene	24.0	5.00	"	25.0	96.2	35-91	High Bias
1,2-Dichlorobenzene	21.1	5.00	"	25.0	84.6	42-85	
1,2-Diphenylhydrazine (as Azobenzene)	21.0	5.00	"	25.0	84.0	16-137	
1,3-Dichlorobenzene	20.0	5.00	"	25.0	79.8	45-80	
1,4-Dichlorobenzene	17.9	5.00	"	25.0	71.6	42-82	
2,3,4,6-Tetrachlorophenol	48.3	5.00	"	25.0	193	30-130	High Bias
2,4,5-Trichlorophenol	25.7	5.00	"	25.0	103	36-112	
2,4,6-Trichlorophenol	25.2	5.00	"	25.0	101	41-107	
2,4-Dichlorophenol	27.4	5.00	"	25.0	110	43-92	High Bias
2,4-Dimethylphenol	23.2	5.00	"	25.0	92.8	25-92	High Bias
2,4-Dinitrophenol	35.4	5.00	"	25.0	141	10-149	
2,4-Dinitrotoluene	24.3	5.00	"	25.0	97.0	41-114	
2,6-Dinitrotoluene	24.1	5.00	"	25.0	96.3	49-106	
2-Chloronaphthalene	22.0	5.00	"	25.0	88.0	40-96	
2-Chlorophenol	20.0	5.00	"	25.0	80.1	35-84	
2-Methylnaphthalene	23.6	5.00	"	25.0	94.3	33-101	
2-Methylphenol	16.9	5.00	"	25.0	67.5	10-90	
2-Nitroaniline	20.2	5.00	"	25.0	80.7	31-122	
2-Nitrophenol	24.2	5.00	"	25.0	96.9	37-97	
3- & 4-Methylphenols	14.0	5.00	"	25.0	56.0	10-101	
3,3-Dichlorobenzidine	23.6	5.00	"	25.0	94.3	25-155	
3-Nitroaniline	17.5	5.00	"	25.0	70.0	29-128	
4,6-Dinitro-2-methylphenol	29.9	5.00	"	25.0	119	10-135	



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 BH80648 - EPA 3510C											
LCS (BH80648-BS1)						Prepared & Analyzed: 08/14/2018					
4-Bromophenyl phenyl ether	23.4	5.00	ug/L	25.0		93.5	38-116				
4-Chloro-3-methylphenol	22.4	5.00	"	25.0		89.7	28-101				
4-Chloroaniline	13.9	5.00	"	25.0		55.8	10-154				
4-Chlorophenyl phenyl ether	23.1	5.00	"	25.0		92.3	34-112				
4-Nitroaniline	18.2	5.00	"	25.0		72.8	15-143				
4-Nitrophenol	10.2	5.00	"	25.0		40.8	10-112				
Acenaphthene	19.5	0.0500	"	25.0		78.1	24-114				
Acenaphthylene	20.0	0.0500	"	25.0		80.0	26-112				
Acetophenone	20.0	5.00	"	25.0		79.9	47-92				
Aniline	7.41	5.00	"	25.0		29.6	10-107				
Anthracene	20.3	0.0500	"	25.0		81.1	35-114				
Atrazine	25.4	0.500	"	25.0		101	43-101				
Benzaldehyde	21.6	5.00	"	25.0		86.4	17-117				
Benzo(a)anthracene	23.9	0.0500	"	25.0		95.7	38-127				
Benzo(a)pyrene	24.1	0.0500	"	25.0		96.5	30-146				
Benzo(b)fluoranthene	24.7	0.0500	"	25.0		98.7	36-145				
Benzo(g,h,i)perylene	20.0	0.0500	"	25.0		80.1	10-163				
Benzo(k)fluoranthene	22.6	0.0500	"	25.0		90.4	16-149				
Benzoic acid	ND	50.0	"	25.4			30-130	Low Bias			
Benzyl alcohol	15.5	5.00	"	25.0		62.1	18-75				
Benzyl butyl phthalate	23.5	5.00	"	25.0		94.0	28-129				
Bis(2-chloroethoxy)methane	23.3	5.00	"	25.0		93.4	27-112				
Bis(2-chloroethyl)ether	18.1	5.00	"	25.0		72.6	24-114				
Bis(2-chloroisopropyl)ether	20.3	5.00	"	25.0		81.1	21-124				
Bis(2-ethylhexyl)phthalate	23.3	0.500	"	25.0		93.2	10-171				
Caprolactam	4.53	5.00	"	25.0		18.1	10-29				
Carbazole	24.4	5.00	"	25.0		97.5	49-116				
Chrysene	21.7	0.0500	"	25.0		86.8	33-120				
Dibenzo(a,h)anthracene	21.4	0.0500	"	25.0		85.5	10-149				
Dibenzofuran	22.3	5.00	"	25.0		89.0	42-105				
Diethyl phthalate	23.6	5.00	"	25.0		94.3	38-112				
Dimethyl phthalate	23.1	5.00	"	25.0		92.4	49-106				
Di-n-butyl phthalate	20.4	5.00	"	25.0		81.7	36-110				
Di-n-octyl phthalate	23.9	5.00	"	25.0		95.6	12-149				
Fluoranthene	20.8	0.0500	"	25.0		83.0	33-126				
Fluorene	20.2	0.0500	"	25.0		80.7	28-117				
Hexachlorobenzene	19.4	0.0200	"	25.0		77.8	27-120				
Hexachlorobutadiene	23.5	0.500	"	25.0		93.9	25-106				
Hexachlorocyclopentadiene	12.8	5.00	"	25.0		51.2	10-99				
Hexachloroethane	17.5	0.500	"	25.0		70.0	33-84				
Indeno(1,2,3-cd)pyrene	21.3	0.0500	"	25.0		85.2	10-150				
Isophorone	22.2	5.00	"	25.0		88.6	29-115				
Naphthalene	19.6	0.0500	"	25.0		78.3	30-99				
Nitrobenzene	21.5	0.250	"	25.0		86.2	32-113				
N-Nitrosodimethylamine	11.1	0.500	"	25.0		44.2	10-63				
N-nitroso-di-n-propylamine	20.5	5.00	"	25.0		81.9	36-118				
N-Nitrosodiphenylamine	27.0	5.00	"	25.0		108	27-145				
Pentachlorophenol	25.3	0.250	"	25.0		101	19-127				
Phenanthrene	20.4	0.0500	"	25.0		81.4	31-112				
Phenol	8.00	5.00	"	25.0		32.0	10-37				
Pyrene	23.0	0.0500	"	25.0		92.0	42-125				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BH80648 - EPA 3510C

LCS (BH80648-BS1)

Prepared & Analyzed: 08/14/2018

Surrogate: 2-Fluorophenol	29.4		ug/L	50.0		58.7	19.7-63.1				
Surrogate: Phenol-d5	15.2		"	50.0		30.5	10.1-41.7				
Surrogate: Nitrobenzene-d5	21.8		"	25.0		87.3	50.2-113				
Surrogate: 2-Fluorobiphenyl	26.1		"	25.0		104	39.9-105				
Surrogate: 2,4,6-Tribromophenol	60.2		"	50.0		120	39.3-151				
Surrogate: Terphenyl-d14	29.7		"	25.0		119	30.7-106				

LCS (BH80648-BS2)

Prepared & Analyzed: 08/14/2018

Acenaphthene	0.780	0.0500	ug/L	1.00		78.0	24-114				
Acenaphthylene	0.810	0.0500	"	1.00		81.0	26-112				
Anthracene	0.850	0.0500	"	1.00		85.0	35-114				
Atrazine	ND	0.500	"				43-101				
Benzo(a)anthracene	0.900	0.0500	"	1.00		90.0	38-127				
Benzo(a)pyrene	0.900	0.0500	"	1.00		90.0	30-146				
Benzo(b)fluoranthene	0.910	0.0500	"	1.00		91.0	36-145				
Benzo(g,h,i)perylene	0.970	0.0500	"	1.00		97.0	10-163				
Benzo(k)fluoranthene	0.900	0.0500	"	1.00		90.0	16-149				
Bis(2-ethylhexyl)phthalate	0.710	0.500	"	1.00		71.0	10-171				
Chrysene	0.820	0.0500	"	1.00		82.0	33-120				
Dibenzo(a,h)anthracene	0.960	0.0500	"	1.00		96.0	10-149				
Fluoranthene	0.980	0.0500	"	1.00		98.0	33-126				
Fluorene	0.890	0.0500	"	1.00		89.0	28-117				
Hexachlorobenzene	1.03	0.0200	"	1.00		103	27-120				
Hexachlorobutadiene	0.800	0.500	"	1.00		80.0	25-106				
Hexachloroethane	0.600	0.500	"	1.00		60.0	33-84				
Indeno(1,2,3-cd)pyrene	0.960	0.0500	"	1.00		96.0	10-150				
Naphthalene	0.800	0.0500	"	1.00		80.0	30-99				
Nitrobenzene	0.870	0.250	"	1.00		87.0	32-113				
N-Nitrosodimethylamine	ND	0.500	"	1.00			10-63	Low Bias			
Pentachlorophenol	1.17	0.250	"	1.00		117	19-127				
Phenanthrene	0.900	0.0500	"	1.00		90.0	31-112				
Pyrene	0.870	0.0500	"	1.00		87.0	42-125				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH80648 - EPA 3510C											
LCS Dup (BH80648-BSD1)						Prepared & Analyzed: 08/14/2018					
1,1-Biphenyl	21.6	5.00	ug/L	25.0		86.4	21-102		0.922	20	
1,2,4,5-Tetrachlorobenzene	26.6	5.00	"	25.0		106	28-105	High Bias	15.6	20	
1,2,4-Trichlorobenzene	26.6	5.00	"	25.0		107	35-91	High Bias	10.3	20	
1,2-Dichlorobenzene	20.6	5.00	"	25.0		82.3	42-85		2.73	20	
1,2-Diphenylhydrazine (as Azobenzene)	18.0	5.00	"	25.0		71.8	16-137		15.6	20	
1,3-Dichlorobenzene	22.4	5.00	"	25.0		89.4	45-80	High Bias	11.3	20	
1,4-Dichlorobenzene	18.2	5.00	"	25.0		72.9	42-82		1.72	20	
2,3,4,6-Tetrachlorophenol	54.2	5.00	"	25.0		217	30-130	High Bias	11.6	20	
2,4,5-Trichlorophenol	25.2	5.00	"	25.0		101	36-112		1.93	20	
2,4,6-Trichlorophenol	26.8	5.00	"	25.0		107	41-107		6.08	20	
2,4-Dichlorophenol	27.9	5.00	"	25.0		112	43-92	High Bias	1.77	20	
2,4-Dimethylphenol	21.4	5.00	"	25.0		85.8	25-92		7.88	20	
2,4-Dinitrophenol	39.8	5.00	"	25.0		159	10-149	High Bias	11.8	20	
2,4-Dinitrotoluene	27.3	5.00	"	25.0		109	41-114		11.9	20	
2,6-Dinitrotoluene	25.7	5.00	"	25.0		103	49-106		6.35	20	
2-Chloronaphthalene	22.1	5.00	"	25.0		88.3	40-96		0.363	20	
2-Chlorophenol	20.4	5.00	"	25.0		81.6	35-84		1.88	20	
2-Methylnaphthalene	22.4	5.00	"	25.0		89.8	33-101		4.91	20	
2-Methylphenol	15.5	5.00	"	25.0		62.1	10-90		8.34	20	
2-Nitroaniline	22.8	5.00	"	25.0		91.1	31-122		12.1	20	
2-Nitrophenol	24.6	5.00	"	25.0		98.5	37-97	High Bias	1.68	20	
3- & 4-Methylphenols	14.4	5.00	"	25.0		57.6	10-101		2.82	20	
3,3-Dichlorobenzidine	23.0	5.00	"	25.0		92.2	25-155		2.23	20	
3-Nitroaniline	17.9	5.00	"	25.0		71.6	29-128		2.37	20	
4,6-Dinitro-2-methylphenol	31.0	5.00	"	25.0		124	10-135		3.68	20	
4-Bromophenyl phenyl ether	23.8	5.00	"	25.0		95.3	38-116		1.86	20	
4-Chloro-3-methylphenol	25.3	5.00	"	25.0		101	28-101		11.9	20	
4-Chloroaniline	14.1	5.00	"	25.0		56.4	10-154		1.07	20	
4-Chlorophenyl phenyl ether	26.5	5.00	"	25.0		106	34-112		13.8	20	
4-Nitroaniline	18.3	5.00	"	25.0		73.4	15-143		0.821	20	
4-Nitrophenol	10.8	5.00	"	25.0		43.2	10-112		5.71	20	
Acenaphthene	19.8	0.0500	"	25.0		79.0	24-114		1.22	20	
Acenaphthylene	21.1	0.0500	"	25.0		84.6	26-112		5.49	20	
Acetophenone	21.0	5.00	"	25.0		84.0	47-92		5.03	20	
Aniline	8.65	5.00	"	25.0		34.6	10-107		15.4	20	
Anthracene	20.8	0.0500	"	25.0		83.1	35-114		2.48	20	
Atrazine	25.0	0.500	"	25.0		99.9	43-101		1.47	20	
Benzaldehyde	24.3	5.00	"	25.0		97.2	17-117		11.7	20	
Benzo(a)anthracene	22.3	0.0500	"	25.0		89.0	38-127		7.19	20	
Benzo(a)pyrene	23.3	0.0500	"	25.0		93.0	30-146		3.63	20	
Benzo(b)fluoranthene	24.1	0.0500	"	25.0		96.4	36-145		2.38	20	
Benzo(g,h,i)perylene	22.4	0.0500	"	25.0		89.6	10-163		11.3	20	
Benzo(k)fluoranthene	23.9	0.0500	"	25.0		95.6	16-149		5.68	20	
Benzoic acid	ND	50.0	"	25.4			30-130	Low Bias		20	
Benzyl alcohol	15.3	5.00	"	25.0		61.2	18-75		1.56	20	
Benzyl butyl phthalate	22.6	5.00	"	25.0		90.4	28-129		3.86	20	
Bis(2-chloroethoxy)methane	24.2	5.00	"	25.0		96.6	27-112		3.41	20	
Bis(2-chloroethyl)ether	20.6	5.00	"	25.0		82.2	24-114		12.5	20	
Bis(2-chloroisopropyl)ether	19.1	5.00	"	25.0		76.5	21-124		5.84	20	
Bis(2-ethylhexyl)phthalate	22.8	0.500	"	25.0		91.1	10-171		2.30	20	
Caprolactam	4.91	5.00	"	25.0		19.6	10-29		8.05	20	



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

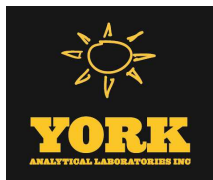
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BH80648 - EPA 3510C

LCS Dup (BH80648-BSD1)

Prepared & Analyzed: 08/14/2018

Carbazole	25.6	5.00	ug/L	25.0		102	49-116		4.96	20	
Chrysene	20.2	0.0500	"	25.0		81.0	33-120		6.91	20	
Dibenzo(a,h)anthracene	23.1	0.0500	"	25.0		92.4	10-149		7.78	20	
Dibenzofuran	23.6	5.00	"	25.0		94.2	42-105		5.63	20	
Diethyl phthalate	25.3	5.00	"	25.0		101	38-112		6.92	20	
Dimethyl phthalate	24.5	5.00	"	25.0		97.8	49-106		5.72	20	
Di-n-butyl phthalate	22.3	5.00	"	25.0		89.4	36-110		8.98	20	
Di-n-octyl phthalate	22.0	5.00	"	25.0		88.0	12-149		8.28	20	
Fluoranthene	23.8	0.0500	"	25.0		95.3	33-126		13.8	20	
Fluorene	23.6	0.0500	"	25.0		94.3	28-117		15.6	20	
Hexachlorobenzene	21.0	0.0200	"	25.0		84.0	27-120		7.62	20	
Hexachlorobutadiene	25.0	0.500	"	25.0		100	25-106		6.31	20	
Hexachlorocyclopentadiene	14.2	5.00	"	25.0		56.9	10-99		10.5	20	
Hexachloroethane	18.8	0.500	"	25.0		75.1	33-84		7.11	20	
Indeno(1,2,3-cd)pyrene	23.7	0.0500	"	25.0		94.8	10-150		10.7	20	
Isophorone	23.1	5.00	"	25.0		92.2	29-115		3.98	20	
Naphthalene	19.0	0.0500	"	25.0		76.0	30-99		2.95	20	
Nitrobenzene	20.6	0.250	"	25.0		82.4	32-113		4.51	20	
N-Nitrosodimethylamine	12.4	0.500	"	25.0		49.6	10-63		11.3	20	
N-nitroso-di-n-propylamine	20.9	5.00	"	25.0		83.6	36-118		2.08	20	
N-Nitrosodiphenylamine	26.7	5.00	"	25.0		107	27-145		0.968	20	
Pentachlorophenol	27.3	0.250	"	25.0		109	19-127		7.53	20	
Phenanthrene	22.4	0.0500	"	25.0		89.8	31-112		9.77	20	
Phenol	7.61	5.00	"	25.0		30.4	10-37		5.00	20	
Pyrene	21.5	0.0500	"	25.0		86.0	42-125		6.83	20	
Surrogate: 2-Fluorophenol	29.4		"	50.0		58.9	19.7-63.1				
Surrogate: Phenol-d5	15.9		"	50.0		31.8	10.1-41.7				
Surrogate: Nitrobenzene-d5	23.8		"	25.0		95.0	50.2-113				
Surrogate: 2-Fluorobiphenyl	26.1		"	25.0		104	39.9-105				
Surrogate: 2,4,6-Tribromophenol	60.7		"	50.0		121	39.3-151				
Surrogate: Terphenyl-d14	29.4		"	25.0		118	30.7-106				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BH80646 - EPA SW846-3510C Low Level

Blank (BH80646-BLK1)

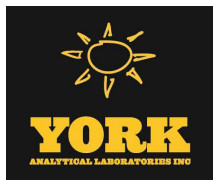
Prepared: 08/14/2018 Analyzed: 08/15/2018

4,4'-DDD	ND	0.00400	ug/L								
4,4'-DDE	ND	0.00400	"								
4,4'-DDT	ND	0.00400	"								
Aldrin	ND	0.00400	"								
alpha-BHC	ND	0.00400	"								
alpha-Chlordane	ND	0.00400	"								
beta-BHC	ND	0.00400	"								
Chlordane, total	ND	0.0200	"								
delta-BHC	ND	0.00400	"								
Dieldrin	ND	0.00200	"								
Endosulfan I	ND	0.00400	"								
Endosulfan II	ND	0.00400	"								
Endosulfan sulfate	ND	0.00400	"								
Endrin	ND	0.00400	"								
Endrin aldehyde	ND	0.0100	"								
Endrin ketone	ND	0.0100	"								
gamma-BHC (Lindane)	ND	0.00400	"								
gamma-Chlordane	ND	0.0100	"								
Heptachlor	ND	0.00400	"								
Heptachlor epoxide	ND	0.00400	"								
Methoxychlor	ND	0.00400	"								
Toxaphene	ND	0.100	"								
Surrogate: Decachlorobiphenyl	0.111		"	0.201		55.4	30-150				
Surrogate: Tetrachloro-m-xylene	0.105		"	0.202		51.9	30-150				

LCS (BH80646-BS1)

Prepared: 08/14/2018 Analyzed: 08/15/2018

4,4'-DDD	0.119	0.00400	ug/L	0.100		119	40-140				
4,4'-DDE	0.105	0.00400	"	0.100		105	40-140				
4,4'-DDT	0.119	0.00400	"	0.100		119	40-140				
Aldrin	0.105	0.00400	"	0.100		105	40-140				
alpha-BHC	0.115	0.00400	"	0.100		115	40-140				
alpha-Chlordane	0.103	0.00400	"	0.100		103	40-140				
beta-BHC	0.0985	0.00400	"	0.100		98.5	40-140				
delta-BHC	0.119	0.00400	"	0.100		119	40-140				
Dieldrin	0.0923	0.00200	"	0.100		92.3	40-140				
Endosulfan I	0.105	0.00400	"	0.100		105	40-140				
Endosulfan II	0.112	0.00400	"	0.100		112	40-140				
Endosulfan sulfate	0.110	0.00400	"	0.100		110	40-140				
Endrin	0.114	0.00400	"	0.100		114	40-140				
Endrin aldehyde	0.110	0.0100	"	0.100		110	40-140				
Endrin ketone	0.109	0.0100	"	0.100		109	40-140				
gamma-BHC (Lindane)	0.115	0.00400	"	0.100		115	40-140				
gamma-Chlordane	0.102	0.0100	"	0.100		102	40-140				
Heptachlor	0.0987	0.00400	"	0.100		98.7	40-140				
Heptachlor epoxide	0.0973	0.00400	"	0.100		97.3	40-140				
Methoxychlor	0.105	0.00400	"	0.100		105	40-140				
Surrogate: Decachlorobiphenyl	0.182		"	0.201		90.4	30-150				
Surrogate: Tetrachloro-m-xylene	0.174		"	0.202		86.3	30-150				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch Y8H1603 - BH80158

Performance Mix (Y8H1603-PEM1)

Prepared & Analyzed: 08/15/2018

4,4'-DDD	0.00		ng/mL	0.00			0-200			
4,4'-DDE	0.571		"	0.00			0-200			
4,4'-DDT	277		"	200		138	0-200			
Endrin	167		"	100		167	0-200			
Endrin aldehyde	2.72		"	0.00			0-200			
Endrin ketone	8.53		"	0.00			0-200			

Performance Mix (Y8H1603-PEM2)

Prepared & Analyzed: 08/15/2018

4,4'-DDD	0.00		ng/mL	0.00			0-200			
4,4'-DDE	0.496		"	0.00			0-200			
4,4'-DDT	316		"	200		158	0-200			
Endrin	185		"	100		185	0-200			
Endrin aldehyde	1.70		"	0.00			0-200			
Endrin ketone	7.15		"	0.00			0-200			

Batch Y8H2015 - BH80158

Performance Mix (Y8H2015-PEM1)

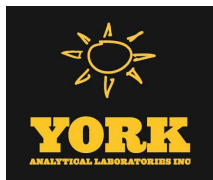
Prepared & Analyzed: 08/17/2018

4,4'-DDD	0.00		ng/mL	0.00			0-200			
4,4'-DDE	0.766		"	0.00			0-200			
4,4'-DDT	311		"	200		156	0-200			
Endrin	189		"	100		189	0-200			
Endrin aldehyde	2.18		"	0.00			0-200			
Endrin ketone	9.22		"	0.00			0-200			

Performance Mix (Y8H2015-PEM2)

Prepared & Analyzed: 08/17/2018

4,4'-DDD	0.00		ng/mL	0.00			0-200			
4,4'-DDE	0.867		"	0.00			0-200			
4,4'-DDT	288		"	200		144	0-200			
Endrin	193		"	100		193	0-200			
Endrin aldehyde	2.52		"	0.00			0-200			
Endrin ketone	10.7		"	0.00			0-200			



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

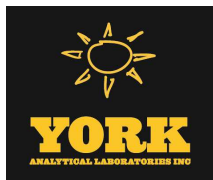
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch Y8H2015 - BH80158

Performance Mix (Y8H2015-PEM3)

Prepared: 08/17/2018 Analyzed: 08/18/2018

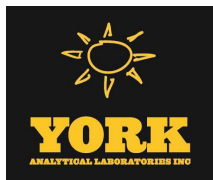
4,4'-DDD	0.00		ng/mL	0.00			0-200				
4,4'-DDE	0.939		"	0.00			0-200				
4,4'-DDT	292		"	200		146	0-200				
Endrin	200		"	100		200	0-200				
Endrin aldehyde	2.87		"	0.00			0-200				
Endrin ketone	10.4		"	0.00			0-200				



Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH80646 - EPA SW846-3510C Low Level											
Blank (BH80646-BLK2)						Prepared & Analyzed: 08/14/2018					
Aroclor 1016	ND	0.0500	ug/L								
Aroclor 1221	ND	0.0500	"								
Aroclor 1232	ND	0.0500	"								
Aroclor 1242	ND	0.0500	"								
Aroclor 1248	ND	0.0500	"								
Aroclor 1254	ND	0.0500	"								
Aroclor 1260	ND	0.0500	"								
Total PCBs	ND	0.0500	"								
Surrogate: Tetrachloro-m-xylene	0.202		"	0.202		100	30-120				
Surrogate: Decachlorobiphenyl	0.173		"	0.201		86.1	30-120				
LCS (BH80646-BS2)						Prepared & Analyzed: 08/14/2018					
Aroclor 1016	1.11	0.0500	ug/L	1.00		111	40-120				
Aroclor 1260	1.07	0.0500	"	1.00		107	40-120				
Surrogate: Tetrachloro-m-xylene	0.202		"	0.202		100	30-120				
Surrogate: Decachlorobiphenyl	0.167		"	0.201		83.1	30-120				
LCS Dup (BH80646-BSD2)						Prepared: 08/14/2018 Analyzed: 08/15/2018					
Aroclor 1016	1.06	0.0500	ug/L	1.00		106	40-120		4.82	30	
Aroclor 1260	1.24	0.0500	"	1.00		124	40-120	High Bias	14.4	30	
Surrogate: Tetrachloro-m-xylene	0.222		"	0.202		110	30-120				
Surrogate: Decachlorobiphenyl	0.231		"	0.201		115	30-120				



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

Batch BH80751 - EPA 3015A

Blank (BH80751-BLK1)

Prepared: 08/15/2018 Analyzed: 08/20/2018

Aluminum	ND	10.0	ug/L
Antimony	ND	1.00	"
Arsenic	ND	1.00	"
Barium	ND	1.00	"
Beryllium	ND	0.300	"
Cadmium	ND	0.500	"
Chromium	ND	1.00	"
Cobalt	ND	1.00	"
Copper	ND	1.00	"
Iron	74.4	10.0	"
Lead	ND	1.00	"
Manganese	ND	1.00	"
Nickel	ND	1.00	"
Selenium	ND	1.00	"
Silver	ND	1.00	"
Thallium	ND	1.00	"
Vanadium	ND	1.00	"
Zinc	ND	1.00	"

LCS (BH80751-BS1)

Prepared: 08/15/2018 Analyzed: 08/20/2018

Aluminum	2260	ug/L	2500	90.3	80-120
Antimony	49.8	"	50.0	99.6	80-120
Arsenic	46.1	"	50.0	92.2	80-120
Barium	45.7	"	50.0	91.3	80-120
Beryllium	45.9	"	50.0	91.9	80-120
Cadmium	47.5	"	50.0	95.1	80-120
Chromium	46.1	"	50.0	92.2	80-120
Cobalt	45.0	"	50.0	90.0	80-120
Copper	46.8	"	50.0	93.7	80-120
Iron	2370	"	2500	94.7	80-120
Lead	49.1	"	50.0	98.3	80-120
Manganese	44.5	"	50.0	88.9	80-120
Nickel	47.0	"	50.0	94.0	80-120
Selenium	40.3	"	50.0	80.7	80-120
Silver	48.1	"	50.0	96.2	80-120
Thallium	47.4	"	50.0	94.9	80-120
Vanadium	44.6	"	50.0	89.2	80-120
Zinc	45.5	"	50.0	90.9	80-120



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

Batch BH80752 - EPA 3015A

Blank (BH80752-BLK1)

Prepared: 08/15/2018 Analyzed: 08/20/2018

Aluminum - Dissolved	ND	10.0	ug/L
Antimony - Dissolved	ND	1.00	"
Arsenic - Dissolved	ND	1.00	"
Barium - Dissolved	ND	1.00	"
Beryllium - Dissolved	ND	0.300	"
Cadmium - Dissolved	ND	0.500	"
Chromium - Dissolved	ND	1.00	"
Cobalt - Dissolved	ND	1.00	"
Copper - Dissolved	ND	1.00	"
Iron - Dissolved	ND	10.0	"
Lead - Dissolved	ND	1.00	"
Manganese - Dissolved	ND	1.00	"
Nickel - Dissolved	ND	1.00	"
Selenium - Dissolved	ND	1.00	"
Silver - Dissolved	ND	1.00	"
Thallium - Dissolved	ND	1.00	"
Vanadium - Dissolved	ND	1.00	"
Zinc - Dissolved	ND	1.00	"

LCS (BH80752-BS1)

Prepared: 08/15/2018 Analyzed: 08/20/2018

Aluminum - Dissolved	2080	ug/L	2500	83.0	80-120
Antimony - Dissolved	48.0	"	50.0	96.0	80-120
Arsenic - Dissolved	43.8	"	50.0	87.6	80-120
Barium - Dissolved	46.2	"	50.0	92.5	80-120
Beryllium - Dissolved	45.3	"	50.0	90.7	80-120
Cadmium - Dissolved	45.1	"	50.0	90.1	80-120
Chromium - Dissolved	43.7	"	50.0	87.5	80-120
Cobalt - Dissolved	42.2	"	50.0	84.5	80-120
Copper - Dissolved	44.4	"	50.0	88.7	80-120
Iron - Dissolved	2310	"	2500	92.5	80-120
Lead - Dissolved	48.7	"	50.0	97.3	80-120
Manganese - Dissolved	44.7	"	50.0	89.5	80-120
Nickel - Dissolved	44.8	"	50.0	89.6	80-120
Selenium - Dissolved	43.8	"	50.0	87.6	80-120
Silver - Dissolved	46.3	"	50.0	92.5	80-120
Thallium - Dissolved	47.5	"	50.0	95.0	80-120
Vanadium - Dissolved	41.0	"	50.0	82.1	80-120
Zinc - Dissolved	44.4	"	50.0	88.8	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 BH80937 - EPA 7473 water

Blank (BH80937-BLK1)

Prepared & Analyzed: 08/20/2018

Mercury	ND	0.20	ug/L

Reference (BH80937-SRM1)

Prepared & Analyzed: 08/20/2018

Mercury	0.0103		mg/L	0.0100		103	70-130

Batch BH80938 - EPA 7473 water

Blank (BH80938-BLK1)

Prepared & Analyzed: 08/20/2018

Mercury - Dissolved	ND	0.0002000	mg/L

Reference (BH80938-SRM1)

Prepared & Analyzed: 08/20/2018

Mercury - Dissolved	0.009593		mg/L	0.0100		95.9	70-130



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
18H0567-01	SB-5 (GW)	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

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.
QC-LCS	LCS/LCS Dup recovery was above laboratory control limits. Sample does not contain any target compounds; therefore sample results are acceptable.
M-MBLK	Analyte was detected in the batch method blank above the Reporting Limit.
M-ISO	The ICP/MS result reported for this element used an alternate isotope due to molecular interferences encountered with the sample matrix.
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.
EXT-D	The sample submitted contained sediment. The aqueous portion was decanted off, the volume measured and used for the extraction. The sediment was not included in the extraction.
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.



Technical Report

prepared for:

GEI Consultants, Inc
110 Walt Whitman Road, Suite 204
Huntington Station NY, 11746
Attention: Wendy Monterosso

Report Date: 08/20/2018
Client Project ID: 580 Gerald Ave
York Project (SDG) No.: 18H0548

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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132-02 89th AVENUE
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RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 08/20/2018
Client Project ID: 580 Gerald Ave
York Project (SDG) No.: 18H0548

GEI Consultants, Inc
110 Walt Whitman Road, Suite 204
Huntington Station NY, 11746
Attention: Wendy Monterosso

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 13, 2018 and listed below. The project was identified as your project: **580 Gerald Ave.**

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>
18H0548-01	SV-1	Soil Vapor	08/10/2018	08/13/2018
18H0548-02	SV-2	Soil Vapor	08/10/2018	08/13/2018
18H0548-03	SV-3	Soil Vapor	08/10/2018	08/13/2018
18H0548-04	SV-4	Soil Vapor	08/10/2018	08/13/2018

General Notes for York Project (SDG) No.: 18H0548

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: 08/20/2018





Sample Information

Client Sample ID: SV-1

York Sample ID: 18H0548-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H0548

580 Gerald Ave

Soil Vapor

August 10, 2018 2:35 pm

08/13/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	1.1	1.546	EPA TO-15 Certifications:	08/16/2018 20:15	08/16/2018 20:15	LDS
71-55-6	1,1,1-Trichloroethane	4.6		ug/m ³	0.84	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	1.1	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	1.2	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.84	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.63	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.15	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	1.1	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
95-63-6	1,2,4-Trimethylbenzene	8.2		ug/m ³	0.76	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
106-93-4	1,2-Dibromoethane	ND		ug/m ³	1.2	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.93	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.63	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.71	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	1.1	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.76	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
106-99-0	1,3-Butadiene	4.5		ug/m ³	1.0	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
541-73-1	1,3-Dichlorobenzene	7.7		ug/m ³	0.93	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.71	1.546	EPA TO-15 Certifications:	08/16/2018 20:15	08/16/2018 20:15	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.93	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
123-91-1	1,4-Dioxane	ND		ug/m ³	1.1	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
78-93-3	2-Butanone	120		ug/m ³	0.46	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
591-78-6	* 2-Hexanone	ND		ug/m ³	1.3	1.546	EPA TO-15 Certifications:	08/16/2018 20:15	08/16/2018 20:15	LDS



Sample Information

Client Sample ID: SV-1

York Sample ID: 18H0548-01

York Project (SDG) No.
18H0548

Client Project ID
580 Gerald Ave

Matrix
Soil Vapor

Collection Date/Time
August 10, 2018 2:35 pm

Date Received
08/13/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m ³	2.4	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
108-10-1	4-Methyl-2-pentanone	8.0		ug/m ³	0.63	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
67-64-1	Acetone	660		ug/m ³	16	34.06	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/17/2018 14:56	08/17/2018 19:31	LDS
107-13-1	Acrylonitrile	ND		ug/m ³	0.34	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
71-43-2	Benzene	7.6		ug/m ³	0.49	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
100-44-7	Benzyl chloride	ND		ug/m ³	0.80	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
75-27-4	Bromodichloromethane	ND		ug/m ³	1.0	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
75-25-2	Bromoform	ND		ug/m ³	1.6	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
74-83-9	Bromomethane	ND		ug/m ³	0.60	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
75-15-0	Carbon disulfide	ND		ug/m ³	0.48	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
56-23-5	Carbon tetrachloride	ND		ug/m ³	0.24	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
108-90-7	Chlorobenzene	ND		ug/m ³	0.71	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
75-00-3	Chloroethane	ND		ug/m ³	0.41	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
67-66-3	Chloroform	ND		ug/m ³	0.75	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
74-87-3	Chloromethane	ND		ug/m ³	0.32	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.15	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.70	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
110-82-7	Cyclohexane	7.2		ug/m ³	0.53	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
124-48-1	Dibromochloromethane	ND		ug/m ³	1.3	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
75-71-8	Dichlorodifluoromethane	ND		ug/m ³	0.76	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
141-78-6	* Ethyl acetate	ND		ug/m ³	1.1	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
100-41-4	Ethyl Benzene	7.5		ug/m ³	0.67	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.6	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS



Sample Information

Client Sample ID: SV-1

York Sample ID: 18H0548-01

York Project (SDG) No.

18H0548

Client Project ID

580 Gerald Ave

Matrix

Soil Vapor

Collection Date/Time

August 10, 2018 2:35 pm

Date Received

08/13/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-63-0	Isopropanol	140		ug/m ³	0.76	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.63	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.56	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
75-09-2	Methylene chloride	ND		ug/m ³	1.1	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
142-82-5	n-Heptane	21		ug/m ³	0.63	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
110-54-3	n-Hexane	11		ug/m ³	0.54	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
95-47-6	o-Xylene	11		ug/m ³	0.67	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
179601-23-1	p- & m- Xylenes	30		ug/m ³	1.3	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
622-96-8	* p-Ethyltoluene	ND		ug/m ³	0.76	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
115-07-1	* Propylene	28		ug/m ³	0.27	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
100-42-5	Styrene	ND		ug/m ³	0.66	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
127-18-4	Tetrachloroethylene	56		ug/m ³	0.26	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
109-99-9	* Tetrahydrofuran	16		ug/m ³	0.91	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
108-88-3	Toluene	26		ug/m ³	0.58	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.61	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.70	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
79-01-6	Trichloroethylene	ND		ug/m ³	0.21	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m ³	0.87	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
108-05-4	Vinyl acetate	ND		ug/m ³	0.54	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
593-60-2	Vinyl bromide	ND		ug/m ³	0.68	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
75-01-4	Vinyl Chloride	ND		ug/m ³	0.099	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 20:15	08/16/2018 20:15	LDS
Surrogate Recoveries		Result	Acceptance Range							
460-00-4	Surrogate: p-Bromofluorobenzene	108 %	70-130							



Sample Information

Client Sample ID: SV-2

York Sample ID: 18H0548-02

York Project (SDG) No.

18H0548

Client Project ID

580 Gerald Ave

Matrix

Soil Vapor

Collection Date/Time

August 10, 2018 11:28 am

Date Received

08/13/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	1.1	1.546	EPA TO-15 Certifications:	08/16/2018 21:14	08/16/2018 21:14	LDS
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.84	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	1.1	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	1.2	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.84	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.63	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.15	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	1.1	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
95-63-6	1,2,4-Trimethylbenzene	10		ug/m ³	0.76	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
106-93-4	1,2-Dibromoethane	ND		ug/m ³	1.2	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.93	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.63	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.71	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	1.1	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.76	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
106-99-0	1,3-Butadiene	ND		ug/m ³	1.0	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.93	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.71	1.546	EPA TO-15 Certifications:	08/16/2018 21:14	08/16/2018 21:14	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.93	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
123-91-1	1,4-Dioxane	ND		ug/m ³	1.1	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
78-93-3	2-Butanone	26		ug/m ³	0.46	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
591-78-6	* 2-Hexanone	ND		ug/m ³	1.3	1.546	EPA TO-15 Certifications:	08/16/2018 21:14	08/16/2018 21:14	LDS
107-05-1	3-Chloropropene	ND		ug/m ³	2.4	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS



Sample Information

Client Sample ID: SV-2

York Sample ID: 18H0548-02

York Project (SDG) No.

18H0548

Client Project ID

580 Gerald Ave

Matrix

Soil Vapor

Collection Date/Time

August 10, 2018 11:28 am

Date Received

08/13/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.63	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
67-64-1	Acetone	150		ug/m ³	0.73	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
107-13-1	Acrylonitrile	ND		ug/m ³	0.34	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
71-43-2	Benzene	4.4		ug/m ³	0.49	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
100-44-7	Benzyl chloride	ND		ug/m ³	0.80	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
75-27-4	Bromodichloromethane	ND		ug/m ³	1.0	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
75-25-2	Bromoform	ND		ug/m ³	1.6	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
74-83-9	Bromomethane	ND		ug/m ³	0.60	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
75-15-0	Carbon disulfide	12		ug/m ³	0.48	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
56-23-5	Carbon tetrachloride	ND		ug/m ³	0.24	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
108-90-7	Chlorobenzene	ND		ug/m ³	0.71	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
75-00-3	Chloroethane	ND		ug/m ³	0.41	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
67-66-3	Chloroform	ND		ug/m ³	0.75	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
74-87-3	Chloromethane	1.6		ug/m ³	0.32	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.15	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.70	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
110-82-7	Cyclohexane	3.7		ug/m ³	0.53	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
124-48-1	Dibromochloromethane	ND		ug/m ³	1.3	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
75-71-8	Dichlorodifluoromethane	ND		ug/m ³	0.76	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
141-78-6	* Ethyl acetate	ND		ug/m ³	1.1	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
100-41-4	Ethyl Benzene	7.9		ug/m ³	0.67	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.6	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
67-63-0	Isopropanol	67		ug/m ³	0.76	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS



Sample Information

Client Sample ID: SV-2

York Sample ID: 18H0548-02

York Project (SDG) No.
18H0548

Client Project ID
580 Gerald Ave

Matrix
Soil Vapor

Collection Date/Time
August 10, 2018 11:28 am

Date Received
08/13/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.63	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.56	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
75-09-2	Methylene chloride	37		ug/m ³	1.1	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
142-82-5	n-Heptane	ND		ug/m ³	0.63	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
110-54-3	n-Hexane	8.4		ug/m ³	0.54	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
95-47-6	o-Xylene	11		ug/m ³	0.67	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
179601-23-1	p- & m- Xylenes	31		ug/m ³	1.3	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
622-96-8	* p-Ethyltoluene	ND		ug/m ³	0.76	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
115-07-1	* Propylene	15		ug/m ³	0.27	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
100-42-5	Styrene	ND		ug/m ³	0.66	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
127-18-4	Tetrachloroethylene	460		ug/m ³	5.6	33.22	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/17/2018 14:56	08/17/2018 20:17	LDS
109-99-9	* Tetrahydrofuran	5.6		ug/m ³	0.91	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
108-88-3	Toluene	18		ug/m ³	0.58	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.61	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.70	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
79-01-6	Trichloroethylene	ND		ug/m ³	0.21	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m ³	0.87	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
108-05-4	Vinyl acetate	ND		ug/m ³	0.54	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
593-60-2	Vinyl bromide	ND		ug/m ³	0.68	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
75-01-4	Vinyl Chloride	ND		ug/m ³	0.099	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 21:14	08/16/2018 21:14	LDS
Surrogate Recoveries		Result	Acceptance Range							
460-00-4	Surrogate: p-Bromofluorobenzene	104 %	70-130							



Sample Information

Client Sample ID: SV-3

York Sample ID: 18H0548-03

York Project (SDG) No.
18H0548

Client Project ID
580 Gerald Ave

Matrix
Soil Vapor

Collection Date/Time
August 10, 2018 11:02 am

Date Received
08/13/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	1.1	1.546	EPA TO-15 Certifications:	08/16/2018 22:12	08/16/2018 22:12	LDS
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.84	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	1.1	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	1.2	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.84	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.63	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.15	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	1.1	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
95-63-6	1,2,4-Trimethylbenzene	47		ug/m ³	0.76	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
106-93-4	1,2-Dibromoethane	ND		ug/m ³	1.2	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.93	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.63	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.71	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	1.1	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
108-67-8	1,3,5-Trimethylbenzene	25		ug/m ³	0.76	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
106-99-0	1,3-Butadiene	7.8		ug/m ³	1.0	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.93	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.71	1.546	EPA TO-15 Certifications:	08/16/2018 22:12	08/16/2018 22:12	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.93	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
123-91-1	1,4-Dioxane	ND		ug/m ³	1.1	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
78-93-3	2-Butanone	62		ug/m ³	0.46	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
591-78-6	* 2-Hexanone	ND		ug/m ³	1.3	1.546	EPA TO-15 Certifications:	08/16/2018 22:12	08/16/2018 22:12	LDS
107-05-1	3-Chloropropene	ND		ug/m ³	2.4	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS



Sample Information

Client Sample ID: SV-3

York Sample ID: 18H0548-03

York Project (SDG) No.
18H0548

Client Project ID
580 Gerald Ave

Matrix
Soil Vapor

Collection Date/Time
August 10, 2018 11:02 am

Date Received
08/13/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	8.8		ug/m ³	0.63	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
67-64-1	Acetone	180		ug/m ³	8.2	17.33	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/17/2018 14:56	08/17/2018 21:03	LDS
107-13-1	Acrylonitrile	ND		ug/m ³	0.34	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
71-43-2	Benzene	23		ug/m ³	0.49	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
100-44-7	Benzyl chloride	ND		ug/m ³	0.80	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
75-27-4	Bromodichloromethane	ND		ug/m ³	1.0	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
75-25-2	Bromoform	ND		ug/m ³	1.6	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
74-83-9	Bromomethane	ND		ug/m ³	0.60	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
75-15-0	Carbon disulfide	31		ug/m ³	0.48	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
56-23-5	Carbon tetrachloride	ND		ug/m ³	0.24	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
108-90-7	Chlorobenzene	ND		ug/m ³	0.71	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
75-00-3	Chloroethane	ND		ug/m ³	0.41	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
67-66-3	Chloroform	4.5		ug/m ³	0.75	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
74-87-3	Chloromethane	3.3		ug/m ³	0.32	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.15	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.70	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
110-82-7	Cyclohexane	46		ug/m ³	0.53	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
124-48-1	Dibromochloromethane	ND		ug/m ³	1.3	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
75-71-8	Dichlorodifluoromethane	ND		ug/m ³	0.76	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
141-78-6	* Ethyl acetate	ND		ug/m ³	1.1	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
100-41-4	Ethyl Benzene	22		ug/m ³	0.67	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.6	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
67-63-0	Isopropanol	60		ug/m ³	0.76	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS



Sample Information

Client Sample ID: SV-3

York Sample ID: 18H0548-03

York Project (SDG) No.

18H0548

Client Project ID

580 Gerald Ave

Matrix

Soil Vapor

Collection Date/Time

August 10, 2018 11:02 am

Date Received

08/13/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.63	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
1634-04-4	Methyl tert-butyl ether (MTBE)	8.4		ug/m ³	0.56	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
75-09-2	Methylene chloride	6.9		ug/m ³	1.1	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
142-82-5	n-Heptane	120		ug/m ³	0.63	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
110-54-3	n-Hexane	75		ug/m ³	0.54	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
95-47-6	o-Xylene	28		ug/m ³	0.67	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
179601-23-1	p- & m- Xylenes	73		ug/m ³	1.3	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
622-96-8	* p-Ethyltoluene	29		ug/m ³	0.76	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
115-07-1	* Propylene	130	E	ug/m ³	0.27	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
100-42-5	Styrene	ND		ug/m ³	0.66	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
127-18-4	Tetrachloroethylene	44		ug/m ³	0.26	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
109-99-9	* Tetrahydrofuran	22		ug/m ³	0.91	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
108-88-3	Toluene	47		ug/m ³	0.58	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.61	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.70	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
79-01-6	Trichloroethylene	ND		ug/m ³	0.21	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m ³	0.87	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
108-05-4	Vinyl acetate	ND		ug/m ³	0.54	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
593-60-2	Vinyl bromide	ND		ug/m ³	0.68	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
75-01-4	Vinyl Chloride	ND		ug/m ³	0.099	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 22:12	08/16/2018 22:12	LDS
Surrogate Recoveries		Result	Acceptance Range							
460-00-4	Surrogate: p-Bromofluorobenzene	101 %	70-130							



Sample Information

Client Sample ID: SV-4

York Sample ID: 18H0548-04

York Project (SDG) No.

18H0548

Client Project ID

580 Gerald Ave

Matrix

Soil Vapor

Collection Date/Time

August 10, 2018 11:29 am

Date Received

08/13/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	1.1	1.546	EPA TO-15 Certifications:	08/16/2018 23:10	08/16/2018 23:10	LDS
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.84	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	1.1	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	1.2	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.84	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.63	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.15	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	1.1	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
95-63-6	1,2,4-Trimethylbenzene	12		ug/m ³	0.76	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
106-93-4	1,2-Dibromoethane	ND		ug/m ³	1.2	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.93	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.63	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.71	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	1.1	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.76	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
106-99-0	1,3-Butadiene	ND		ug/m ³	1.0	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.93	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.71	1.546	EPA TO-15 Certifications:	08/16/2018 23:10	08/16/2018 23:10	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.93	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
123-91-1	1,4-Dioxane	ND		ug/m ³	1.1	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
78-93-3	2-Butanone	25		ug/m ³	0.46	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
591-78-6	* 2-Hexanone	ND		ug/m ³	1.3	1.546	EPA TO-15 Certifications:	08/16/2018 23:10	08/16/2018 23:10	LDS
107-05-1	3-Chloropropene	ND		ug/m ³	2.4	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS



Sample Information

Client Sample ID: SV-4

York Sample ID: 18H0548-04

York Project (SDG) No.
18H0548

Client Project ID
580 Gerald Ave

Matrix
Soil Vapor

Collection Date/Time
August 10, 2018 11:29 am

Date Received
08/13/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	3.5		ug/m ³	0.63	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
67-64-1	Acetone	110		ug/m ³	0.73	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
107-13-1	Acrylonitrile	ND		ug/m ³	0.34	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
71-43-2	Benzene	3.1		ug/m ³	0.49	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
100-44-7	Benzyl chloride	ND		ug/m ³	0.80	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
75-27-4	Bromodichloromethane	ND		ug/m ³	1.0	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
75-25-2	Bromoform	ND		ug/m ³	1.6	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
74-83-9	Bromomethane	ND		ug/m ³	0.60	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
75-15-0	Carbon disulfide	43		ug/m ³	0.48	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
56-23-5	Carbon tetrachloride	ND		ug/m ³	0.24	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
108-90-7	Chlorobenzene	ND		ug/m ³	0.71	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
75-00-3	Chloroethane	ND		ug/m ³	0.41	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
67-66-3	Chloroform	ND		ug/m ³	0.75	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
74-87-3	Chloromethane	1.9		ug/m ³	0.32	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.15	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.70	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
110-82-7	Cyclohexane	11		ug/m ³	0.53	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
124-48-1	Dibromochloromethane	ND		ug/m ³	1.3	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
75-71-8	Dichlorodifluoromethane	ND		ug/m ³	0.76	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
141-78-6	* Ethyl acetate	ND		ug/m ³	1.1	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
100-41-4	Ethyl Benzene	8.2		ug/m ³	0.67	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.6	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
67-63-0	Isopropanol	47		ug/m ³	0.76	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS



Sample Information

Client Sample ID: SV-4

York Sample ID: 18H0548-04

York Project (SDG) No.

18H0548

Client Project ID

580 Gerald Ave

Matrix

Soil Vapor

Collection Date/Time

August 10, 2018 11:29 am

Date Received

08/13/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.63	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.56	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
75-09-2	Methylene chloride	6.2		ug/m ³	1.1	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
142-82-5	n-Heptane	ND		ug/m ³	0.63	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
110-54-3	n-Hexane	11		ug/m ³	0.54	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
95-47-6	o-Xylene	12		ug/m ³	0.67	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
179601-23-1	p- & m- Xylenes	32		ug/m ³	1.3	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
622-96-8	* p-Ethyltoluene	ND		ug/m ³	0.76	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
115-07-1	* Propylene	27		ug/m ³	0.27	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
100-42-5	Styrene	ND		ug/m ³	0.66	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
127-18-4	Tetrachloroethylene	35		ug/m ³	0.26	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
109-99-9	* Tetrahydrofuran	6.2		ug/m ³	0.91	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
108-88-3	Toluene	22		ug/m ³	0.58	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.61	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.70	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
79-01-6	Trichloroethylene	ND		ug/m ³	0.21	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m ³	0.87	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
108-05-4	Vinyl acetate	ND		ug/m ³	0.54	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
593-60-2	Vinyl bromide	ND		ug/m ³	0.68	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
75-01-4	Vinyl Chloride	ND		ug/m ³	0.099	1.546	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/16/2018 23:10	08/16/2018 23:10	LDS
Surrogate Recoveries		Result	Acceptance Range							
460-00-4	Surrogate: p-Bromofluorobenzene	100 %	70-130							



Analytical Batch Summary

Batch ID: BH80908

Preparation Method: EPA TO15 PREP

Prepared By: LDS

YORK Sample ID	Client Sample ID	Preparation Date
18H0548-01	SV-1	08/16/18
18H0548-02	SV-2	08/16/18
18H0548-03	SV-3	08/16/18
18H0548-04	SV-4	08/16/18
BH80908-BLK1	Blank	08/16/18
BH80908-BS1	LCS	08/16/18

Batch ID: BH80989

Preparation Method: EPA TO15 PREP

Prepared By: LDS

YORK Sample ID	Client Sample ID	Preparation Date
18H0548-01RE1	SV-1	08/17/18
18H0548-02RE1	SV-2	08/17/18
18H0548-03RE1	SV-3	08/17/18
BH80989-BLK1	Blank	08/17/18
BH80989-BS1	LCS	08/17/18



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

York Analytical Laboratories, Inc.

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

Batch BH80908 - EPA TO15 PREP

Blank (BH80908-BLK1)

Prepared & Analyzed: 08/16/2018

1,1,1,2-Tetrachloroethane	ND	0.69	ug/m ³
1,1,1-Trichloroethane	ND	0.55	"
1,1,2,2-Tetrachloroethane	ND	0.69	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.77	"
1,1,2-Trichloroethane	ND	0.55	"
1,1-Dichloroethane	ND	0.40	"
1,1-Dichloroethylene	ND	0.099	"
1,2,4-Trichlorobenzene	ND	0.74	"
1,2,4-Trimethylbenzene	ND	0.49	"
1,2-Dibromoethane	ND	0.77	"
1,2-Dichlorobenzene	ND	0.60	"
1,2-Dichloroethane	ND	0.40	"
1,2-Dichloropropane	ND	0.46	"
1,2-Dichlorotetrafluoroethane	ND	0.70	"
1,3,5-Trimethylbenzene	ND	0.49	"
1,3-Butadiene	ND	0.66	"
1,3-Dichlorobenzene	ND	0.60	"
1,3-Dichloropropane	ND	0.46	"
1,4-Dichlorobenzene	ND	0.60	"
1,4-Dioxane	ND	0.72	"
2-Butanone	ND	0.29	"
2-Hexanone	ND	0.82	"
3-Chloropropene	ND	1.6	"
4-Methyl-2-pentanone	ND	0.41	"
Acetone	ND	0.48	"
Acrylonitrile	ND	0.22	"
Benzene	ND	0.32	"
Benzyl chloride	ND	0.52	"
Bromodichloromethane	ND	0.67	"
Bromoform	ND	1.0	"
Bromomethane	ND	0.39	"
Carbon disulfide	ND	0.31	"
Carbon tetrachloride	ND	0.16	"
Chlorobenzene	ND	0.46	"
Chloroethane	ND	0.26	"
Chloroform	ND	0.49	"
Chloromethane	ND	0.21	"
cis-1,2-Dichloroethylene	ND	0.099	"
cis-1,3-Dichloropropylene	ND	0.45	"
Cyclohexane	ND	0.34	"
Dibromochloromethane	ND	0.85	"
Dichlorodifluoromethane	ND	0.49	"
Ethyl acetate	ND	0.72	"
Ethyl Benzene	ND	0.43	"
Hexachlorobutadiene	ND	1.1	"
Isopropanol	ND	0.49	"
Methyl Methacrylate	ND	0.41	"
Methyl tert-butyl ether (MTBE)	ND	0.36	"
Methylene chloride	ND	0.69	"
n-Heptane	ND	0.41	"



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

York Analytical Laboratories, Inc.

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

Batch BH80908 - EPA TO15 PREP

Blank (BH80908-BLK1)

Prepared & Analyzed: 08/16/2018

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

Surrogate: p-Bromofluorobenzene	9.27		ppbv	10.0		92.7	70-130				

LCS (BH80908-BS1)

Prepared & Analyzed: 08/16/2018

1,1,1,2-Tetrachloroethane	9.65		ppbv	10.0		96.5	70-130				
1,1,1-Trichloroethane	10.0		"	10.0		100	70-130				
1,1,2,2-Tetrachloroethane	9.65		"	10.0		96.5	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.2		"	10.0		102	70-130				
1,1,2-Trichloroethane	9.25		"	10.0		92.5	70-130				
1,1-Dichloroethane	9.97		"	10.0		99.7	70-130				
1,1-Dichloroethylene	9.01		"	10.0		90.1	70-130				
1,2,4-Trichlorobenzene	9.49		"	10.0		94.9	70-130				
1,2,4-Trimethylbenzene	9.60		"	10.0		96.0	70-130				
1,2-Dibromoethane	9.38		"	10.0		93.8	70-130				
1,2-Dichlorobenzene	10.4		"	10.0		104	70-130				
1,2-Dichloroethane	9.54		"	10.0		95.4	70-130				
1,2-Dichloropropane	8.93		"	10.0		89.3	70-130				
1,2-Dichlorotetrafluoroethane	12.7		"	10.0		127	70-130				
1,3,5-Trimethylbenzene	8.98		"	10.0		89.8	70-130				
1,3-Butadiene	15.8		"	10.0		158	70-130	High Bias			
1,3-Dichlorobenzene	10.8		"	10.0		108	70-130				
1,3-Dichloropropane	8.92		"	10.0		89.2	70-130				
1,4-Dichlorobenzene	11.0		"	10.0		110	70-130				
1,4-Dioxane	8.45		"	10.0		84.5	70-130				
2-Butanone	9.45		"	10.0		94.5	70-130				
2-Hexanone	9.72		"	10.0		97.2	70-130				
3-Chloropropene	9.31		"	10.0		93.1	70-130				
4-Methyl-2-pentanone	9.10		"	10.0		91.0	70-130				
Acetone	8.94		"	10.0		89.4	70-130				
Acrylonitrile	10.4		"	10.0		104	70-130				
Benzene	9.60		"	10.0		96.0	70-130				
Benzyl chloride	10.4		"	10.0		104	70-130				
Bromodichloromethane	9.24		"	10.0		92.4	70-130				
Bromoform	10.2		"	10.0		102	70-130				
Bromomethane	9.77		"	10.0		97.7	70-130				
Carbon disulfide	10.9		"	10.0		109	70-130				



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

York Analytical Laboratories, Inc.

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

Batch BH80908 - EPA TO15 PREP

LCS (BH80908-BS1)

Prepared & Analyzed: 08/16/2018

Carbon tetrachloride	9.10		ppbv	10.0		91.0	70-130				
Chlorobenzene	9.93		"	10.0		99.3	70-130				
Chloroethane	11.5		"	10.0		115	70-130				
Chloroform	9.92		"	10.0		99.2	70-130				
Chloromethane	13.4		"	10.0		134	70-130	High Bias			
cis-1,2-Dichloroethylene	9.39		"	10.0		93.9	70-130				
cis-1,3-Dichloropropylene	9.32		"	10.0		93.2	70-130				
Cyclohexane	10.1		"	10.0		101	70-130				
Dibromochloromethane	9.30		"	10.0		93.0	70-130				
Dichlorodifluoromethane	9.75		"	10.0		97.5	70-130				
Ethyl acetate	9.65		"	10.0		96.5	70-130				
Ethyl Benzene	9.22		"	10.0		92.2	70-130				
Hexachlorobutadiene	9.36		"	10.0		93.6	70-130				
Isopropanol	11.0		"	10.0		110	70-130				
Methyl Methacrylate	9.22		"	10.0		92.2	70-130				
Methyl tert-butyl ether (MTBE)	17.7		"	10.0		177	70-130	High Bias			
Methylene chloride	9.90		"	10.0		99.0	70-130				
n-Heptane	9.30		"	10.0		93.0	70-130				
n-Hexane	10.2		"	10.0		102	70-130				
o-Xylene	8.89		"	10.0		88.9	70-130				
p- & m- Xylenes	18.7		"	20.0		93.4	70-130				
p-Ethyltoluene	10.0		"	10.0		100	70-130				
Propylene	9.13		"	10.0		91.3	70-130				
Styrene	10.1		"	10.0		101	70-130				
Tetrachloroethylene	9.95		"	10.0		99.5	70-130				
Tetrahydrofuran	9.53		"	10.0		95.3	70-130				
Toluene	8.92		"	10.0		89.2	70-130				
trans-1,2-Dichloroethylene	10.4		"	10.0		104	70-130				
trans-1,3-Dichloropropylene	8.93		"	10.0		89.3	70-130				
Trichloroethylene	8.47		"	10.0		84.7	70-130				
Trichlorofluoromethane (Freon 11)	9.89		"	10.0		98.9	70-130				
Vinyl acetate	14.4		"	10.0		144	70-130	High Bias			
Vinyl bromide	10.8		"	10.0		108	70-130				
Vinyl Chloride	13.0		"	10.0		130	70-130				
Surrogate: p-Bromofluorobenzene	10.3		"	10.0		103	70-130				



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

York Analytical Laboratories, Inc.

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

Batch BH80989 - EPA TO15 PREP

Blank (BH80989-BLK1)

Prepared & Analyzed: 08/17/2018

1,1,1,2-Tetrachloroethane	ND	0.69	ug/m ³
1,1,1-Trichloroethane	ND	0.55	"
1,1,2,2-Tetrachloroethane	ND	0.69	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.77	"
1,1,2-Trichloroethane	ND	0.55	"
1,1-Dichloroethane	ND	0.40	"
1,1-Dichloroethylene	ND	0.099	"
1,2,4-Trichlorobenzene	ND	0.74	"
1,2,4-Trimethylbenzene	ND	0.49	"
1,2-Dibromoethane	ND	0.77	"
1,2-Dichlorobenzene	ND	0.60	"
1,2-Dichloroethane	ND	0.40	"
1,2-Dichloropropane	ND	0.46	"
1,2-Dichlorotetrafluoroethane	ND	0.70	"
1,3,5-Trimethylbenzene	ND	0.49	"
1,3-Butadiene	ND	0.66	"
1,3-Dichlorobenzene	ND	0.60	"
1,3-Dichloropropane	ND	0.46	"
1,4-Dichlorobenzene	ND	0.60	"
1,4-Dioxane	ND	0.72	"
2-Butanone	ND	0.29	"
2-Hexanone	ND	0.82	"
3-Chloropropene	ND	1.6	"
4-Methyl-2-pentanone	ND	0.41	"
Acetone	ND	0.48	"
Acrylonitrile	ND	0.22	"
Benzene	ND	0.32	"
Benzyl chloride	ND	0.52	"
Bromodichloromethane	ND	0.67	"
Bromoform	ND	1.0	"
Bromomethane	ND	0.39	"
Carbon disulfide	ND	0.31	"
Carbon tetrachloride	ND	0.16	"
Chlorobenzene	ND	0.46	"
Chloroethane	ND	0.26	"
Chloroform	ND	0.49	"
Chloromethane	ND	0.21	"
cis-1,2-Dichloroethylene	ND	0.099	"
cis-1,3-Dichloropropylene	ND	0.45	"
Cyclohexane	ND	0.34	"
Dibromochloromethane	ND	0.85	"
Dichlorodifluoromethane	ND	0.49	"
Ethyl acetate	ND	0.72	"
Ethyl Benzene	ND	0.43	"
Hexachlorobutadiene	ND	1.1	"
Isopropanol	ND	0.49	"
Methyl Methacrylate	ND	0.41	"
Methyl tert-butyl ether (MTBE)	ND	0.36	"
Methylene chloride	ND	0.69	"
n-Heptane	ND	0.41	"
n-Hexane	ND	0.35	"



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

York Analytical Laboratories, Inc.

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

Batch BH80989 - EPA TO15 PREP

Blank (BH80989-BLK1)

Prepared & Analyzed: 08/17/2018

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

Surrogate: p-Bromofluorobenzene 9.01 ppbv 10.0 90.1 70-130

LCS (BH80989-BS1)

Prepared & Analyzed: 08/17/2018

1,1,1,2-Tetrachloroethane	9.41	ppbv	10.0	94.1	70-130
1,1,1-Trichloroethane	9.89	"	10.0	98.9	70-130
1,1,2,2-Tetrachloroethane	9.43	"	10.0	94.3	70-130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.2	"	10.0	102	70-130
1,1,2-Trichloroethane	9.14	"	10.0	91.4	70-130
1,1-Dichloroethane	9.87	"	10.0	98.7	70-130
1,1-Dichloroethylene	8.93	"	10.0	89.3	70-130
1,2,4-Trichlorobenzene	9.12	"	10.0	91.2	70-130
1,2,4-Trimethylbenzene	9.37	"	10.0	93.7	70-130
1,2-Dibromoethane	9.20	"	10.0	92.0	70-130
1,2-Dichlorobenzene	10.2	"	10.0	102	70-130
1,2-Dichloroethane	9.45	"	10.0	94.5	70-130
1,2-Dichloropropane	8.83	"	10.0	88.3	70-130
1,2-Dichlorotetrafluoroethane	12.5	"	10.0	125	70-130
1,3,5-Trimethylbenzene	8.67	"	10.0	86.7	70-130
1,3-Butadiene	14.2	"	10.0	142	70-130
1,3-Dichlorobenzene	10.6	"	10.0	106	70-130
1,3-Dichloropropane	8.76	"	10.0	87.6	70-130
1,4-Dichlorobenzene	10.8	"	10.0	108	70-130
1,4-Dioxane	8.32	"	10.0	83.2	70-130
2-Butanone	9.36	"	10.0	93.6	70-130
2-Hexanone	9.53	"	10.0	95.3	70-130
3-Chloropropene	9.23	"	10.0	92.3	70-130
4-Methyl-2-pentanone	8.90	"	10.0	89.0	70-130
Acetone	8.83	"	10.0	88.3	70-130
Acrylonitrile	10.4	"	10.0	104	70-130
Benzene	9.51	"	10.0	95.1	70-130
Benzyl chloride	10.0	"	10.0	100	70-130
Bromodichloromethane	9.09	"	10.0	90.9	70-130
Bromoform	9.95	"	10.0	99.5	70-130
Bromomethane	9.73	"	10.0	97.3	70-130
Carbon disulfide	10.9	"	10.0	109	70-130
Carbon tetrachloride	8.96	"	10.0	89.6	70-130

High Bias



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

York Analytical Laboratories, Inc.

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

Batch BH80989 - EPA TO15 PREP

LCS (BH80989-BS1)

Prepared & Analyzed: 08/17/2018

Chlorobenzene	9.62		ppbv	10.0		96.2	70-130				
Chloroethane	11.3		"	10.0		113	70-130				
Chloroform	9.88		"	10.0		98.8	70-130				
Chloromethane	11.9		"	10.0		119	70-130				
cis-1,2-Dichloroethylene	9.21		"	10.0		92.1	70-130				
cis-1,3-Dichloropropylene	9.20		"	10.0		92.0	70-130				
Cyclohexane	9.92		"	10.0		99.2	70-130				
Dibromochloromethane	9.14		"	10.0		91.4	70-130				
Dichlorodifluoromethane	9.85		"	10.0		98.5	70-130				
Ethyl acetate	9.59		"	10.0		95.9	70-130				
Ethyl Benzene	8.97		"	10.0		89.7	70-130				
Hexachlorobutadiene	9.20		"	10.0		92.0	70-130				
Isopropanol	11.0		"	10.0		110	70-130				
Methyl Methacrylate	9.04		"	10.0		90.4	70-130				
Methyl tert-butyl ether (MTBE)	17.5		"	10.0		175	70-130	High Bias			
Methylene chloride	9.86		"	10.0		98.6	70-130				
n-Heptane	9.17		"	10.0		91.7	70-130				
n-Hexane	10.0		"	10.0		100	70-130				
o-Xylene	8.66		"	10.0		86.6	70-130				
p- & m- Xylenes	18.1		"	20.0		90.5	70-130				
p-Ethyltoluene	9.81		"	10.0		98.1	70-130				
Propylene	9.24		"	10.0		92.4	70-130				
Styrene	9.86		"	10.0		98.6	70-130				
Tetrachloroethylene	9.91		"	10.0		99.1	70-130				
Tetrahydrofuran	9.48		"	10.0		94.8	70-130				
Toluene	8.88		"	10.0		88.8	70-130				
trans-1,2-Dichloroethylene	10.2		"	10.0		102	70-130				
trans-1,3-Dichloropropylene	8.75		"	10.0		87.5	70-130				
Trichloroethylene	8.31		"	10.0		83.1	70-130				
Trichlorofluoromethane (Freon 11)	9.78		"	10.0		97.8	70-130				
Vinyl acetate	14.2		"	10.0		142	70-130	High Bias			
Vinyl bromide	10.6		"	10.0		106	70-130				
Vinyl Chloride	11.7		"	10.0		117	70-130				
Surrogate: p-Bromofluorobenzene	10.2		"	10.0		102	70-130				





Sample and Data Qualifiers Relating to This Work Order

QL-03	This LCS analyte recovered outside of acceptance limits. The LCS contains approximately 70 compounds, a limited number of which may be outside acceptance windows.
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.
E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate.
CCV-A	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>30% Difference for average Rf). This applies to detected analytes only.

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.
