

200 EAST 135TH STREET

BRONX, NEW YORK

Remedial Investigation Report

OER Project Number: 13EHAN270X

NYC VCP Number: 16CVCP013X

Prepared for:

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REMEDIAL INVESTIGATION REPORT

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LIST OF ACRONYMS

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

CERTIFICATION

I, Mark E. Robbins, am a Qualified Environmental Professional, as defined in RCNY § 43-1402(ar). I have primary direct responsibility for implementation of the Remedial Investigation for the 200 East 135th Street Site, (OER Project Site No. 13EHAN270X, NYC VCP No. 16CVCP013X). I am responsible for the content of this Remedial Investigation Report (RIR), have reviewed its contents and certify that this RIR is accurate to the best of my knowledge and contains all available environmental information and data regarding the property.

Mark E. Robbins

9/25/15



Qualified Environmental Professional

Date

Signature

EXECUTIVE SUMMARY

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

Site Location and Current Usage

The Site is located at 200 East 135th Street in the Port Morris neighborhood of Bronx, New York and is identified as Block 2319 and Lot 60 (previously part of Lot 55) on the New York City Tax Map. **Figure 1** shows the Site location. The Site is 48,976-square feet in area and is bounded by Exterior Street/Major Deegan Expressway to the north, the Harlem River to the south and west and Third Avenue to the east. A map of the site boundary is shown in **Figure 2**. The Site consists of a vacant lot; the ground surface consists of gravel.

Summary of Proposed Redevelopment Plan

The proposed future use of the Site will consist of a 25-story mixed-use commercial and residential use building. The proposed building will occupy 75% of the lot and will have a basement that will occupy 10,248-square feet of the building footprint (25% of the entire lot); the basement will be used for residential amenity, residential storage, laundry, a superintendent's office and building mechanics. The first floor will be used for parking, commercial space, a residential lobby, residential amenity, compactor room and electric meter room. The second floor will also be used for parking. Floors 3-25 will consist of residential units. The remainder of the Site will be reserved for the open air parking on the 1st and 2nd floors.

Excavation is anticipated to extend to 10 feet below grade surface (bgs) for the construction of the basement level; this depth will extend below the water table, which is approximately 8-12 feet bgs. Approximately 7,072 tons of soil will be excavated and removed from the Site.

Layout of the proposed site development is presented in **Figure 3**. The current zoning designation is M1-3/R8/MX-1. The proposed use is consistent with existing zoning for the property.

Summary of Past Uses of Site and Areas of Concern

Based upon the review of a Site Investigation by others that cited a previous Phase I, the following Site history was established. The Site was historically part of Lot 55, which was utilized as a railroad freight yard, a coal yard, a warehouse and various industrial uses. The Site is associated with NYSDEC Spill #0001384 which was reported on May 4, 2000 and subsequently closed on June 21, 2000 following the excavation and offsite removal of approximately 4,000 cubic yards of soil and the collection of post-excavation confirmatory endpoint samples from historical Lot 55.

The AOCs identified for this Site include:

1. The historical use of the Site as a railroad freight yard, a coal yard, a warehouse and various manufacturing purposes
2. The commercial use of surrounding properties includes furniture restoration.

Summary of the Work Performed under the Remedial Investigation

Hydro Tech Environmental, Corp. performed the following scope of work at the Site in June and July of 2015:

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Conducted a Ground Penetrating Radar (GPR) survey of the Site to identify subsurface structures (i.e. tanks, building foundations, utilities, etc.);
3. Installed six (6) soil borings across the entire project Site, and collected twelve (12) soil samples for chemical analysis from the soil borings to evaluate soil quality;
4. Installed three (3) groundwater monitoring wells throughout the Site to establish groundwater flow and collected three (3) groundwater samples for chemical analysis to evaluate groundwater quality;
5. Installed five (5) soil vapor probes throughout the Site and collected six (6) samples for chemical analysis, including one (1) outdoor ambient air sample; and

6. At the request of NYCOER, collected one (1) additional ambient outdoor air sample in the southern portion of the site due to an elevated concentration of tetrachloroethylene in the original outdoor ambient air sample.

Summary of Environmental Findings

1. Elevation of the property is approximately 15 feet.
2. Depth to groundwater ranges from 8.85 to 12.02 feet at the Site.
3. Groundwater flow is generally from south to north beneath the Site.
4. Bedrock was not encountered at the Site.
5. The stratigraphy of the site, from the surface down to about 12 feet bgs, is classified as fill consisting of a mixture of gravel, sand, rocks and possibly other construction debris. Drilling did not occur deeper than 12 feet bgs and bedrock was not encountered.
6. Soil/fill samples results were compared to NYSDEC Unrestricted Use Soil Cleanup Objectives and Restricted Residential Soil Cleanup Objectives (SCOs) as presented in 6NYCRR Part 375-6.8 and CP51. Soil/fill samples collected during the RI showed trace concentrations of several volatile organic compounds (VOCs) with acetone (max. 0.068 mg/kg) exceeding Unrestricted Use SCOs in two deep samples. Several semi-volatile organic compounds (SVOCs) consisting of Polycyclic Aromatic Hydrocarbons (PAH) compounds were detected with benz(a)anthracene (max. 5.70 mg/kg), benzo(a)pyrene (max. 1.14 mg/kg), benzo(b)fluoranthene (max. 1.24 mg/kg), benzo(k)fluoranthene (max. 1.21 mg/kg), chrysene (max. 5.49 mg/kg), dibenzo(a,h)anthracene (max. 0.453 mg/kg) and indeno(1,2,3-cd)pyrene (max. 0.874 mg/kg) exceeding Restricted Residential SCOs in five shallow and one deep sample. Pesticides were detected in four shallow samples and one deep sample at concentrations exceeding Unrestricted Use SCOs, including 4,4'-DDD (max. 0.0948 mg/kg), 4,4'-DDE (max. 0.0357 mg/kg) and 4,4'-DDT (max. 0.177 mg/kg). Total PCBs (max. 0.72 mg/kg) exceeded Unrestricted Use SCOs in four shallow samples. Several metals including barium (max. 635 mg/kg), copper (max. 158 mg/kg), lead (max. 618 mg/kg), mercury (max. 0.36 mg/kg), nickel (max. 44.30 mg/kg), selenium (max. 12.70 mg/kg) and zinc (max. 497 mg/kg) were detected in all shallow samples and three deep samples exceeding Unrestricted Use SCOs. Of these metals, barium and lead

also exceeded Restricted Residential SCOs in two shallow samples. Overall, soil chemistry is unremarkable and is similar to sites with historic fill in New York City.

7. Groundwater samples results were compared to New York State 6NYCRR Part 703.5 Class GA groundwater quality standards (GQS). Groundwater samples collected during the investigations showed no PCBs in any sample. Five (5) VOCs were detected above GQS in MW-1, including 1,2,4-Trimethylbenzene (500 µg/L), 1,2-Dichlorobenzene (1,200 µg/L), acetone (1,500 µg/L), naphthalene (1,500 µg/L) and n-Butylbenzene (670 µg/L). No other VOCs were detected in the other two groundwater samples. Several SVOCs were detected but only phenol (5.6 µg/L) was detected in MW-3 at a concentration exceeding its GQS. One pesticide 4,4'-DDD was detected in MW-1 at a concentration less than GQS. Several dissolved metals were identified in groundwater but only antimony (40 ug/L), lead (27 ug/L), magnesium (max. 145,000 ug/L), manganese (max. 3,260 ug/L), selenium (max. 60 ug/L) and sodium (max. 782,000 ug/L) exceeded their respective GQS.
8. Soil vapor results collected during the RI were compared to compounds listed in Table 3.1 Air Guideline Values Derived by the NYSDOH located in the New York State Department of Health Final Guidance for Evaluating Soil Vapor Intrusion dated October 2006. Soil vapor collected during the RI showed moderate levels of petroleum-related VOCs. The petroleum related compounds ranged from 1.10 µg/m³ to 110 µg/m³. N-Hexane was the highest detected compound with a concentration of 110 µg/m³ in SV-5. Total concentrations of petroleum-related VOCs (BTEX) was 100 µg/m³ in SV-5. Chlorinated VOCs were also detected with tetrachloroethylene (PCE) detected at a maximum of 240 µg/m³. Concentration for PCE was above the monitoring level ranges established within the State DOH soil vapor guidance matrix. PCE, trichloroethylene and carbon tetrachloride were also detected in the original outdoor ambient air sample but not in the second resample.

REMEDIAL INVESTIGATION REPORT

1.0 SITE BACKGROUND

Chess Builders, LLC has applied to enroll in the New York City Voluntary Cleanup Program (NYC VCP) to investigate and remediate a 1.12-acre site located at 200 East 135th Street in the Port Morris neighborhood of Bronx, New York. Mixed commercial and residential use is proposed for the property. The RI work was performed on June 10, June 11, June 16 and July 1, 2015. This RIR summarizes the nature and extent of contamination and provides sufficient information for establishment of remedial action objectives, evaluation of remedial action alternatives, and selection of a remedy that is protective of human health and the environment consistent with the use of the property pursuant to RCNY§ 43-1407(f).

1.1 Site Location and Current Usage

The Site is located at 200 East 135th Street in the Port Morris neighborhood of Bronx, New York and is identified as Block 2319 and Lot 60 (previously part of Lot 55) on the New York City Tax Map. **Figure 1** shows the Site location. The Site is 48,976-square feet and is bounded by Exterior Street/Major Deegan Expressway to the north, the Harlem River to the south and west and Third Avenue to the east. A map of the site boundary is shown in **Figure 2**. The Site consists of a vacant lot; the ground surface consists of gravel.

1.2 Proposed Redevelopment Plan

The proposed future use of the Site will consist of a 25-story mixed-use commercial and residential use building. The proposed building will occupy 75% of the lot and will have a basement that will occupy 10,248-square feet of the building footprint (25% of the entire lot); the basement will be used for residential amenity, residential storage, laundry, a superintendent's office and building mechanics. The first floor will be used for parking, commercial space, a residential lobby, residential amenity, compactor room and electric meter room. The second floor will also be used for parking. Floors 3-25 will consist of residential units. The remainder of the Site will be reserved for the open air parking on the 1st and 2nd floors.

Excavation is anticipated to 10 feet below grade surface (bgs) for construction of the basement level; this depth will extend below the water table which is approximately 8-12 feet bgs. Approximately 7,072 tons of soil will be excavated and removed from the Site.

Layout of the proposed site development is presented in **Figure 3**. The current zoning designation is M1-3/R8/MX-1. The proposed use is consistent with existing zoning for the property.

1.3 Description of Surrounding Property

The vicinity of the Site consists of residential, commercial and industrial properties. The ground surfaces in the vicinity of the Site consist of gravel, asphalt and bare soil. The Site is located on the south side of the Major Deegan Expressway and is bordered by commercial buildings to the east and commercial storage buildings to west and south, beyond which is the Harlem River. The results of the Site inspection and an evaluation of the United States Geological Survey (USGS) 7 ½-Minute Topographic Map containing the properties indicate there are no sensitive receptors (such as schools, hospitals or day-care facilities) present within a 0.125-mile radius of the Site.

Figure 4 shows the surrounding land usage.

2.0 SITE HISTORY

2.1 Past Uses and Ownership

Based upon the review of a Site Investigation by others that cited a previous Phase I, the following Site history was established. The Site was historically part of Lot 55, which was utilized as a railroad freight yard, a coal yard, a warehouse and various industrial uses. The Site is associated with NYSDEC Spill #0001384 which was reported on May 4, 2000 and subsequently closed on June 21, 2000 following the excavation and offsite removal of approximately 4,000 cubic yards of soil and the collection of post-excavation confirmatory endpoint samples from historical Lot 55.

2.2 Previous Investigations

Previous investigations performed at the Site include the following:

- Phase I Environmental Site Assessment, September 1997, Land Tech Remedial, Inc.;
- Phase II Subsurface Investigation, January 1998, Land Tech Remedial, Inc.;
- Supplemental Phase II Subsurface Investigation, February 1998, Land Tech Remedial, Inc.;
- Remedial Activities Report, November 1999, AKRF, Inc.;
- Phase I Environmental Site Assessment, April 2004, SECOR International, Inc.;
- Phase I Environmental Site Assessment Update, August 2006, AKRF, Inc.;
- Phase II Subsurface Investigation, December 2006, AKRF, Inc.;
- Remedial Action Plan, March 2007, AKRF, Inc.

2.3 Site Inspection

Ms. Morgan Violette of Hydro Tech Environmental, Corp. performed the site inspection for the Remedial Investigation on June 10, 2015. The reconnaissance included a visual inspection of the site and selection of soil, groundwater and soil vapor sampling locations. At the time of the inspection, the Site was a vacant graveled lot utilized for various automobile storage for an adjacent parcel (CubeSmart warehouse). No evidence of underground storage tanks or aboveground storage tanks was observed.

2.4 Areas of Concern

The AOCs identified for this site include:

1. The historical use of the Site as a railroad freight yard, a coal yard, a warehouse and various manufacturing purposes
2. The commercial use of surrounding properties includes furniture restoration.

A Subsurface Investigation by AKRF, Inc. is presented in **Appendix A**. A map showing areas of concern is presented in **Figure 5**.

3.0 PROJECT MANAGEMENT

3.1 Project Organization

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

3.2 Health and Safety

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

3.3 Materials Management

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

4.0 REMEDIAL INVESTIGATION ACTIVITIES

Hydro Tech Environmental, Corp. performed the following scope of work at the Site in June and July of 2015:

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Conducted a Ground Penetrating Radar (GPR) survey of the Site to identify subsurface structures (i.e. tanks, building foundations, utilities, etc.);
3. Installed six (6) soil borings across the entire project Site, and collected twelve (12) soil samples for chemical analysis from the soil borings to evaluate soil quality;
4. Installed three (3) groundwater monitoring wells throughout the Site to establish groundwater flow and collected three (3) groundwater samples for chemical analysis to evaluate groundwater quality;
5. Installed five (5) soil vapor probes throughout the Site and collected six (6) samples for chemical analysis, including one (1) outdoor ambient air sample; and
6. At the request of NYCOER, collected one (1) additional ambient outdoor air sample in the southern portion of the Site due to an elevated concentration of tetrachloroethylene in the original outdoor ambient air sample.

4.1 Geophysical Investigation

A geophysical survey was performed on June 10, 2015 across the entire Site to investigate for the presence of potential USTs, drums, etc. No anomalies were identified. A copy of the geophysical survey scan is included in Appendix C.

4.2 Borings and Monitoring Wells

Drilling and Soil Logging

A total of six (6) soil probes, designated SP-1 through SP-6, were installed to a depth of 12 feet bgs. All soil probes were installed utilizing Hydro Tech's fleet of Geoprobe units with Geoprobe tooling and sampling equipment. Soil samples were collected utilizing a 4-foot long Macro Core sampler fitted with dedicated acetate liners. The soil was screened and characterized at two-foot intervals. Each Macro Core was cut open and immediately screened with a Photo

Ionization Detector (PID) for VOCs, prior to collecting the required samples for laboratory analysis. No PID readings above background concentrations were detected. Continuous soil samples were collected during soil probe installation.

Boring logs were prepared by a geologist are attached in **Appendix D**. A map showing the location of soil borings and monitor wells is shown in **Figure 6**.

Groundwater Monitoring Well Construction

Three (3) groundwater monitoring wells, designated MW-1 through MW-3, were installed using a Geoprobe to a total depth of 25 feet bgs and are constructed of 1-inch diameter PVC. The well screens consist of 0.020-inch slots and extend 20 feet from the bottom of the well to intersect the water table. The remaining portions of the wells consist of solid riser.

Monitoring well locations are shown in **Figure 6**. Details of the monitoring well construction are presented in **Appendix E**.

Survey

Soil borings, monitoring wells and soil gas sampling locations were located by measuring to permanent site features.

Water Level Measurement

Prior to groundwater purging and sampling of the monitoring wells, the wells were gauged for the presence of Light, Non-Aqueous Phase Liquid (LNAPL) and also monitored to determine the depth to water. The well gauging and monitoring was performed utilizing a Solinst® 122 Oil/Water Interface Probe (Interface Probe). The Interface Probe can measure depths to water to 0.01 inch. Well gauging and monitoring was performed in the wells from the northern portion of the casing top. LNAPL was not identified in the monitoring wells during the well gauging exercise.

Groundwater was encountered between 8.85 feet to 12.02 feet bgs at the Site. The groundwater flow contour diagram is shown in **Figure 7**. Water level data is included in **Appendix F**.

Soil Vapor

Five (5) soil vapor probes, designated SV-1 through SV-5, were installed to a depth of 6 feet bgs. The soil vapor probes were installed in accordance with the NYSDOH guidance for evaluating soil vapor intrusion dated October 2006. Each soil vapor sampling point consists of a stainless steel screen, or implant, fitted with dedicated polyethylene tubing. Each of the implants was of 1 ½-inch diameter. Glass beads were poured into the hole to fully encompass the screen implant and the hole was sealed with bentonite and quick dry-lock non-VOC quick set cement. A map showing the locations of soil vapor implants is shown in **Figure 6**.

4.3 Sample Collection and Chemical Analysis

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

Soil Sampling

Twelve (12) soil samples were collected for chemical analysis during this RI; these include six (6) samples from zero to 2 feet bgs and six (6) samples from 10 to 12 feet bgs. Samples were collected utilizing a 4-foot long Macro Core sampler fitted with dedicated acetate liners.

All samples were properly handled and placed into the pre-cleaned, appropriately labeled, laboratory supplied containers. Two field blank samples and one trip blank were collected and submitted to the laboratory. The samples were placed in a cooler filled with ice and maintained at a maximum of 4 degrees Celsius. All samples were transmitted under proper chain of custody procedures to a New York State Department of Health ELAP-certified laboratory for confirmatory laboratory analyses. All soil samples were analyzed for the presence of volatile organic compounds (VOCs) by EPA Method 8260, semi-volatile organic compounds (SVOCs) by EPA Method 8270, pesticides/PCBs by EPA Methods 8081/8082, and target analyte list

(TAL) metals. The laboratory did not report any irregularities with respect to their internal Quality Assurance/Quality Control.

Data on soil sample collection for chemical analyses, including dates of collection and sample depths, is reported in **Tables 1** through **4**. **Figure 6** shows the location of samples collected in this investigation. Laboratories and analytical methods are shown below.

Groundwater Sampling

Three (3) groundwater samples were collected for chemical analysis during this RI. Groundwater samples from the monitoring wells were collected using the low stress (low flow) purging and sampling procedures. The low flow was accomplished with a Solinst Bladder Pump and the continuous flow was monitored with a Horiba U-52 water quality meter until the readings had stabilized.

The water samples were collected in laboratory-supplied jars, properly labeled with the sample number, the date and time of sampling, the analytical requirements, and then placed on ice for the duration of the sampling and transport to the laboratory. A chain of custody form was completed at the time of sampling and maintained until disposition of the samples at the ELAP certified and accredited laboratory. The groundwater samples were analyzed for TCL VOCs, TCL SVOCs, pesticides, PCBs, dissolved and total TAL metals.

Groundwater sample collection data is reported in **Tables 5** through **8**. Sampling logs with information on purging and sampling of groundwater monitor wells is included in **Appendix F**. **Figure 6** shows the location of groundwater sampling. Laboratories and analytical methods are shown below.

Soil Vapor Sampling

Five (5) soil vapor probes were installed and five (5) soil vapor samples were collected for chemical analysis during this RI. Soil vapor sampling locations are shown in **Figure 6**. Soil vapor sample collection data is reported in **Table 9**. Soil vapor sampling logs are included in **Appendix G**. Methodologies used for soil vapor assessment conform to the *NYS DOH Final Guidance on Soil Vapor Intrusion, October 2006*.

Dedicated tubing was used for each soil vapor probe. A soil vapor sample was collected from each vapor probe utilizing a 6 liter pre-cleaned, passivated, evacuated whole air Summa® Canister. In order to insure the integrity of the borehole seal and to verify that ambient air is not

inadvertently drawn into the sample, a tracer gas, Helium, was used to enrich the atmosphere in the immediate vicinity of the sampling location. Plastic sheeting was used to keep the tracer gas in contact with the soil vapor probe during the sampling while continuously monitoring air drawn from the implant with a helium detector (Dielectric Model MGD-2002, Multi-gas Detector). Helium detector readings did not exceed zero ppm indicating Helium was not detected. Following verification that the surface seal was tight and prior to soil vapor sampling, approximately 0.3 ml of air was purged out of all vapor points utilizing a syringe.

The soil vapor probes were connected to ¼-inch outer diameter inert Teflon-lined polyethylene tubing which extended above ground surface to allow for purging and sampling. The Summa Canisters were calibrated for 4 hours and the soil vapor sampling was run on each canister for the duration of 4 hours. The initial vacuum (inches of mercury) and start time was recorded immediately after opening each Summa Canister. After the sampling was complete, the final vacuum and stop time was recorded. After the soil vapor sampling, each Summa was labeled and sent to a laboratory certified to perform air analysis in New York State and analyzed for VOCs via EPA TO-15.

Chemical Analysis

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

Factor	Description
Quality Assurance Officer	The chemical analytical quality assurance is directed by Mark E. Robbins
Chemical Analytical Laboratory	Chemical analytical laboratory(s) used in the RI is NYS ELAP certified and were York Analytical Laboratories, Inc.
Chemical Analytical Methods	Soil and groundwater analytical methods: <ul style="list-style-type: none"> • TAL Metals by EPA Method 6010C (rev. 2007); • VOCs by EPA Method 8260C (rev. 2006); • SVOCs by EPA Method 8270D (rev. 2007);

Factor	Description
	<ul style="list-style-type: none">• Pesticides by EPA Method 8081B (rev. 2000);• PCBs by EPA Method 8082A (rev. 2000); Soil vapor analytical methods: <ul style="list-style-type: none">• VOCs by TO-15 VOC parameters.

Results of Chemical Analyses

Laboratory data for soil, groundwater and soil vapor are summarized in **Tables 1** through **9**. Laboratory data deliverables for all samples evaluated in this RIR are provided in digital form in **Appendices H** through **J**.

5.0 ENVIRONMENTAL EVALUATION

5.1 Geological and Hydrogeological Conditions

The Site is located in the southwest portion of Bronx County, New York. The elevation of the Site is approximately 15 feet above mean sea level (USGS 7 ½-Minute Central Park, New York Quadrangle, 1995).

Stratigraphy

The stratigraphy of the Site, from the surface down to about 12 feet bgs, is classified as fill consisting of a mixture of gravel, sand, rocks and possibly construction debris. Drilling did not occur deeper than 12 feet bgs and bedrock was not encountered.

Hydrogeology

Water level data for all monitoring wells is included in **Appendix F**. The depth to water ranges from 8.85 feet to 12.02 feet. A map of groundwater level elevations with groundwater contours and inferred flow lines is shown in **Figure 7**. Groundwater flow is towards the north.

5.2 Soil Chemistry

Soil/fill samples collected during the RI show one volatile organic compound (VOC), acetone (max. 0.068 mg/kg), exceeding Track 1 Unrestricted Use Soil Cleanup Objectives in two deep samples. VOCs detected but not exceeding Track 1 SCOs include 2-Butanone, Methyl tert-butyl ether (MTBE), Methylene chloride and Naphthalene. Semi-volatile organic compounds (SVOCs) consisting of PAH compounds were detected in five shallow soil samples and one deep soil sample at concentrations exceeding Track 1 SCOs, including Benzo(a)anthracene (max. 5.70 mg/kg), Benzo(a)pyrene (max. 1.14 mg/kg), Benzo(b)pyrene (max. 1.14 mg/kg), Benzo(k)fluoranthene (max. 1.21 mg/kg), Chrysene (max. 5.49 mg/kg), Dibenzo(a,h)anthracene (max. 0.453 mg/kg) and Indeno(1,2,3-cd)pyrene (max. 0.874 mg/kg). SVOCs detected but not exceeding Track 1 SCOs include Acenaphthene, Acenaphthylene, Anthracene, Benzo(g,h,i)perylene, Benzyl butyl phthalate, Bis(2-ethylhexyl)phthalate, Dibenzofuran, Fluoranthene, Fluorene, Naphthalene, Phenanthrene and Pyrene. Pesticides were detected in four shallow samples and one deep sample at concentrations exceeding Track 1 SCOs, including 4,4'-DDD (max. 0.0948 mg/kg), 4,4'-DDE (max. 0.0357 mg/kg) and 4,4'-DDT (max. 0.177 mg/kg). No pesticides were detected in any remaining soil samples. No PCBs were detected exceeding Track 1 SCOs. PCBs detected but not exceeding Track 1 SCOs include Aroclor 1248, Aroclor 1254 and Aroclor 1260. Metals were detected in all samples. One metal, Lead (max. 618 mg/kg)

was detected in one shallow soil sample exceeding Track 2 Restricted Residential Use SCOs. Barium (max. 635 mg/kg), Copper (max. 158 mg/kg), Mercury (max. 0.36 mg/kg), Nickel (max. 44.30 mg/kg), Selenium (max. 12.70 mg/kg) and Zinc (max. 497 mg/kg) were detected in all shallow samples and three deep samples exceeding Track 1 SCOs. Arsenic, Cadmium, Chromium Trivalent and Manganese were detected at concentrations less than Track 1 SCOs.

Data collected during the RI is sufficient to delineate the vertical and horizontal distribution of contaminants in soil/fill at the Site. A summary table of data for chemical analyses performed on soil samples is included in **Tables 1** through **4**. **Figures 8** through **11** show the locations and posts the values for soil/fill that exceed the 6NYCRR Part 375-6.8 Track 2 Soil Cleanup Objectives.

5.3 Groundwater Chemistry

Groundwater samples collected during the RI show five (5) VOCs detected above New York State 6 NYCRR Part 703.5 Groundwater Quality Standards (GQS) in MW-1, including 1,2,4-Trimethylbenzene (500 µg/L), 1,2-Dichlorobenzene (1,200 µg/L), Acetone (1,500 µg/L), Naphthalene (1,500 µg/L) and n-Butylbenzene (670 µg/L). No other VOCs were detected in any other groundwater samples. One SVOC, phenol (5.6 µg/L), was detected in MW-3 at a concentration exceeding its GQS. The SVOCs Anthracene, Bis(2-ethylhexyl)phthalate, Fluoranthene, Fluorene, Naphthalene and Phenanthrene were detected in MW-2 at concentrations less than GQS. No other SVOCs were detected in any other groundwater samples. The pesticide 4,4'-DDD was detected in MW-1 at a concentration less than GQS. No other pesticides or PCBs were detected in any other groundwater samples. Dissolved metals Antimony (40 ug/L), Lead (27 ug/L), Magnesium (max. 145,000 ug/L), Manganese (max. 3,260 ug/L), Selenium (max. 60 ug/L) and Sodium (max. 782,000 ug/L) were detected at concentrations exceeding GQS in all groundwater samples. Dissolved metals detected but not exceeding GQS include Arsenic, Barium, Chromium and Copper.

Data collected during the RI is sufficient to delineate the distribution of contaminants in groundwater at the Site. A summary table of data for chemical analyses performed on groundwater samples is included in **Tables 5** through **8**. Exceedance of applicable groundwater standards are shown.

Figures 12 through **14** show the location and posts the values for groundwater that exceed the New York State 6NYCRR Part 703.5 Class GA groundwater standards.

5.4 Soil Vapor Chemistry

Soil vapor results collected during the RI were compared to compounds listed in Table 3.1 Air Guideline Values Derived by the NYSDOH located in the New York State Department of Health Final Guidance for Evaluating Soil Vapor Intrusion dated October 2006. Soil vapor results show petroleum related and associated derivatives in each sample. The petroleum related compounds range from 1.10 $\mu\text{g}/\text{m}^3$ to 110 $\mu\text{g}/\text{m}^3$. N-Hexane was the highest detected petroleum related compound with a concentration of 110 $\mu\text{g}/\text{m}^3$ in SV-5. Chlorinated hydrocarbons were also detected in soil vapor samples and range from 0.32 $\mu\text{g}/\text{m}^3$ to 240 $\mu\text{g}/\text{m}^3$. Concentrations of tetrachloroethylene (max. 130 $\mu\text{g}/\text{m}^3$) was also detected. Tetrachloroethylene was the highest detected chlorinated hydrocarbon with a concentration of 130 $\mu\text{g}/\text{m}^3$. PCE, trichloroethylene and carbon tetrachloride were also detected in the original outdoor ambient air sample but not in the second resample.

Data collected during the RI is sufficient to delineate the distribution of contaminants in soil vapor at the Site. A summary table of data for chemical analyses performed on soil vapor samples is included in **Table 9**.

Figure 15 shows the location and posts the values for soil vapor samples with detected concentrations.

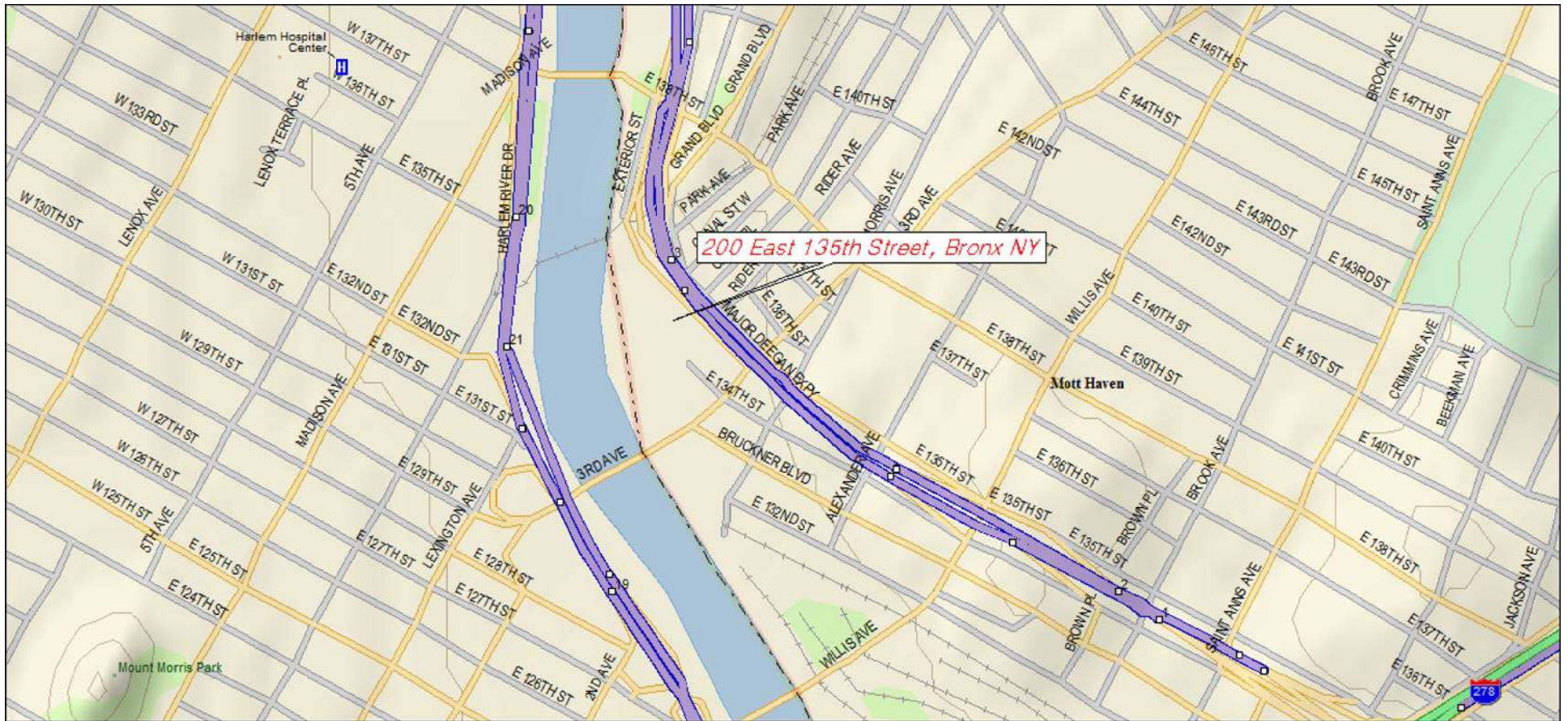
5.5 Prior Activity

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

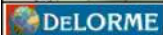
5.6 Impediments to Remedial Action

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

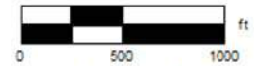
FIGURES



200 East 135th Street, Bronx NY



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Data Zoom 14-1



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 Reviewed By: M.R.
 Approved By: M.R.
 Date: 07/20/15
 Scale: AS NOTED

TITLE:

FIGURE 1: SITE LOCATION MAP

ADJACENT
MAJOR DEEGAN EXPRESSWAY

EAST 135th STREET

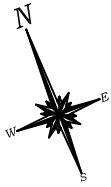
SIDEWALK

ADJACENT 4-STORY
COMMERCIAL

ADJACENT 5-STORY
RESIDENTIAL

PROPERTY
OUTLINE

ADJACENT 4-STORY
COMMERCIAL



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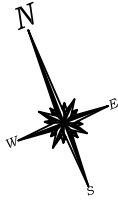
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TITLE:

FIGURE 2: SITE BOUNDARY MAP

ADJACENT
MAJOR DEEGAN EXPRESSWAY



EAST 135th STREET

SIDEWALK

ADJACENT 4-STORY
COMMERCIAL

ADJACENT 5-STORY
RESIDENTIAL

PARTIAL
BASEMENT
OUTLINE

**PROPOSED 25-STORY
RESIDENTIAL BUILDING
WITH PARTIAL BASEMENT**

PROPERTY/
BUILDING
OUTLINE

ADJACENT 4-STORY
COMMERCIAL



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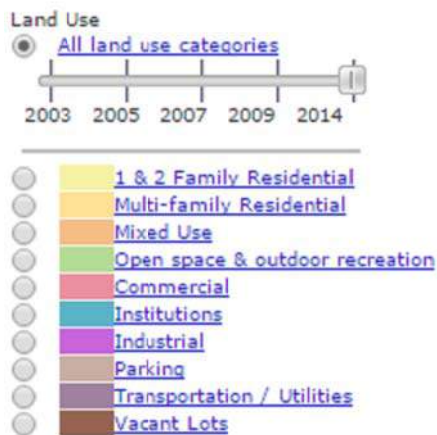
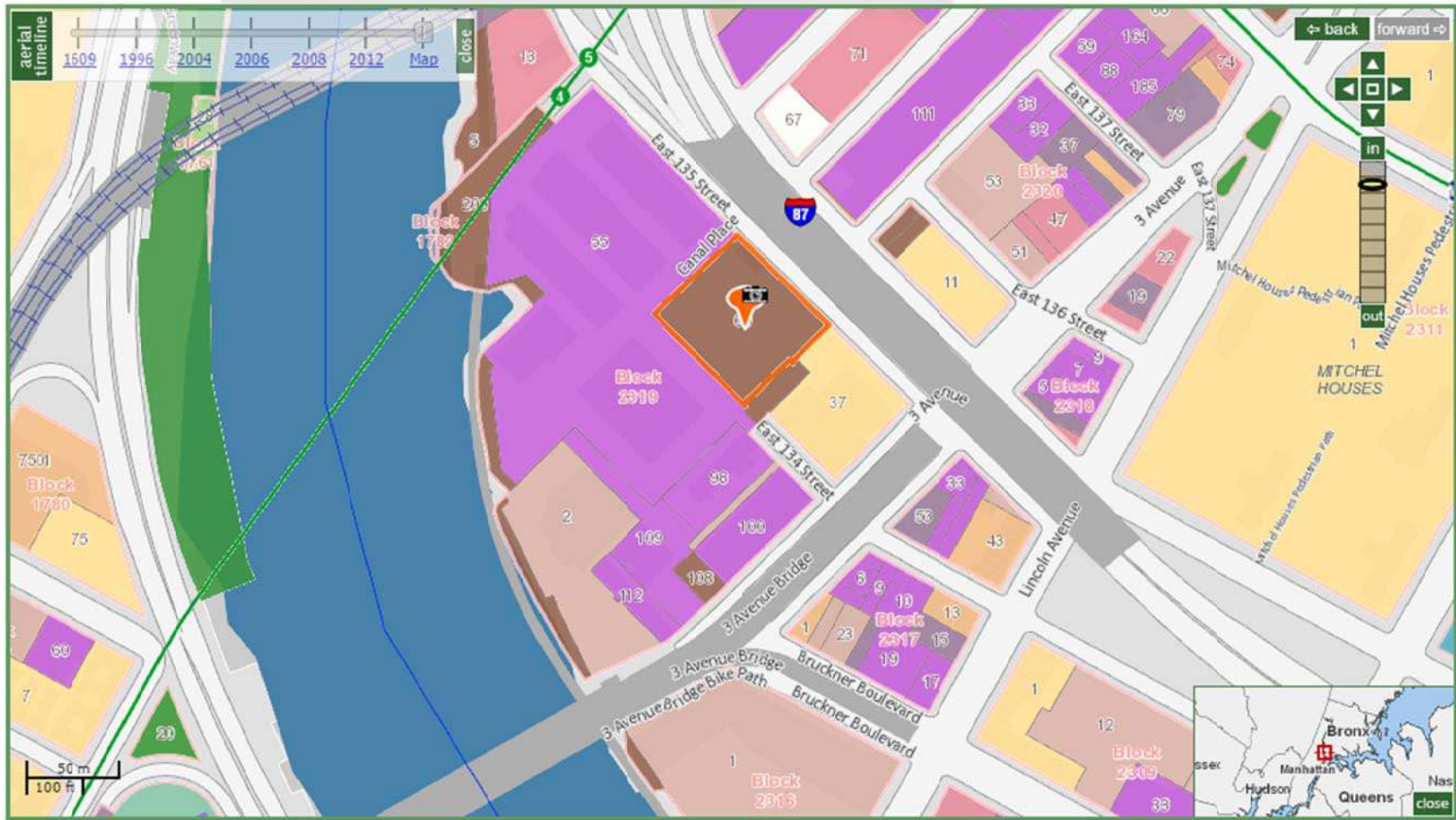
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FIGURE 3: PROPOSED DEVELOPMENT PLAN



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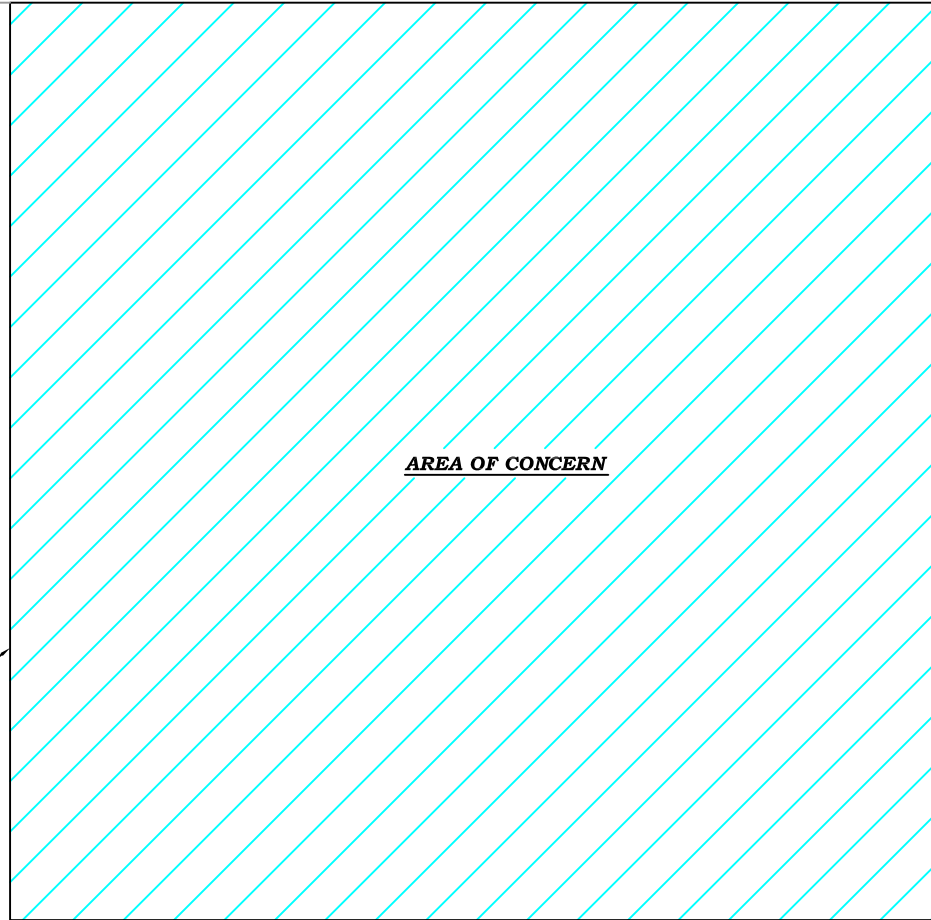
FIGURE 4: LAND USE MAP



ADJACENT
MAJOR DEEGAN EXPRESSWAY

EAST 135th STREET

SIDEWALK



ADJACENT 4-STORY
COMMERCIAL

AREA OF CONCERN

ADJACENT 5-STORY
RESIDENTIAL

PROPERTY
OUTLINE

ADJACENT 4-STORY
COMMERCIAL



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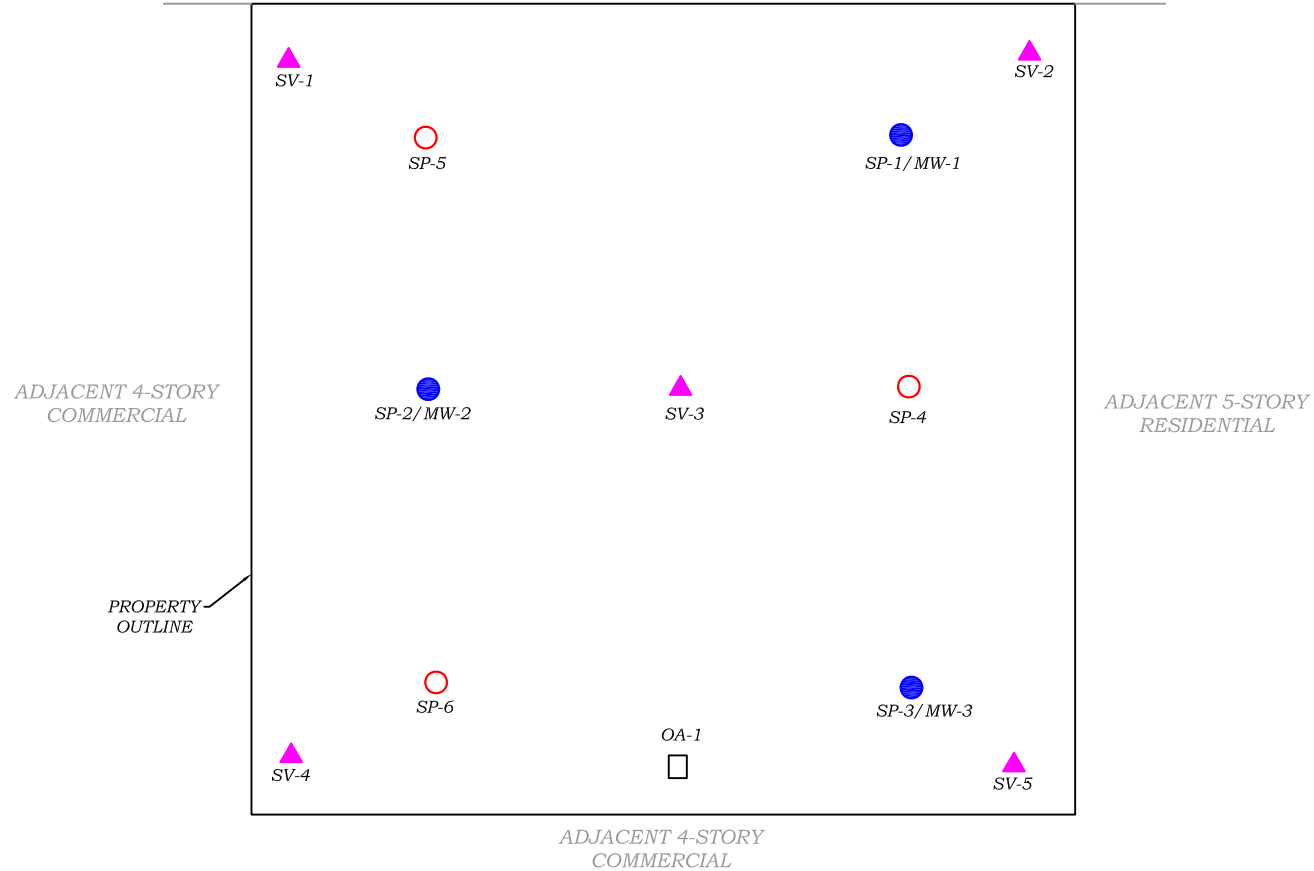
TITLE:

FIGURE 5: MAP OF AREAS OF CONCERN

ADJACENT
MAJOR DEEGAN EXPRESSWAY

EAST 135th STREET

SIDEWALK



LEGEND:

- SOIL PROBE LOCATIONS (SP)
- SOIL PROBE / MONITORING WELL LOCATIONS (SP/MW)
- ▲ SOIL VAPOR PROBE LOCATIONS (SV)
- OUTDOOR AIR SAMPLE LOCATION (OA)

0' 20' 40' 60'
SCALE IN FEET (FT.)



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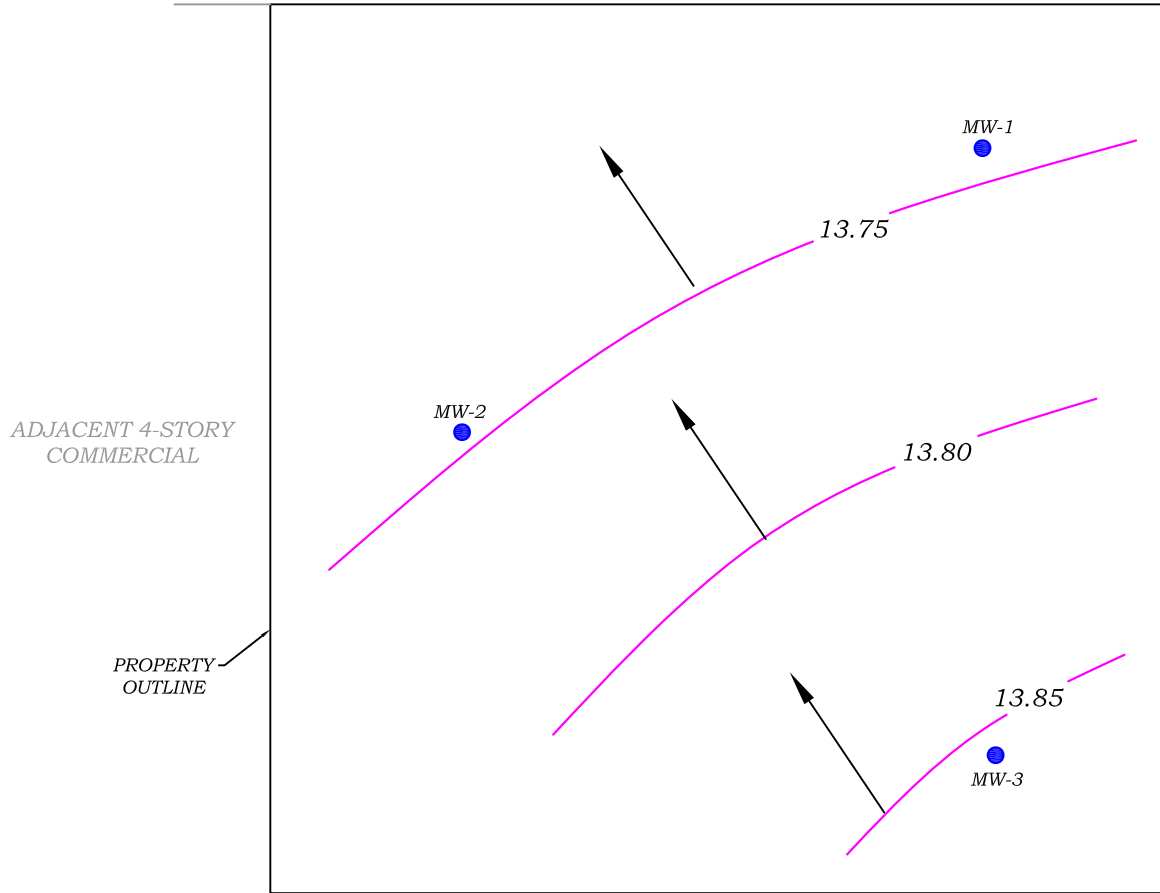
TITLE:

FIGURE 6: LOCATIONS OF SOIL PROBES, MONITORING WELLS AND SOIL VAPOR SAMPLES

ADJACENT
MAJOR DEEGAN EXPRESSWAY

EAST 135th STREET

SIDEWALK



LEGEND:

● MONITORING WELL LOCATIONS (MW)

∩ CONTOUR LINES

C.I CONTOUR INTERVAL

C.I. = 0.10 FEET	
Monitoring Well IDs	Groundwater Elevations
MW-1	13.73
MW-2	13.74
MW-3	13.87



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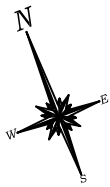
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TITLE:

FIGURE 7: GROUNDWATER FLOW CONTOUR DIAGRAM



EAST 135th STREET

SIDEWALK

SP-5			
Depth	0' - 2'	10' - 12'	
VOCs	mg/Kg	mg/Kg	USCO
Acetone	NAS	0.053	0.05

SP-5

SP-2		
Depth	0' - 2'	10' - 12'
VOCs	NAS	NAS

SP-2

SP-6		
Depth	0' - 2'	10' - 12'
VOCs	NAS	NAS

SP-6

SP-1

SP-1			
Depth	0' - 2'	10' - 12'	
VOCs	mg/Kg	mg/Kg	USCO
Acetone	0.068	NAS	0.05

SP-4

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

SP-3

SP-3		
Depth	0' - 2'	10' - 12'
VOCs	NAS	NAS

LEGEND:



SOIL PROBE LOCATIONS (SP)

VOCs VOLATILE ORGANIC COMPOUNDS

mg/Kg MILLIGRAMS PER KILOGRAM

USCO UNRESTRICTED USE SOIL CLEANUP OBJECTIVES

NAS NONE ABOVE STANDARDS



SHADED VALUES EXCEED USCO



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TITLE:

FIGURE 8: MAP OF VOCs IN SOIL



EAST 135th STREET

SIDEWALK

SP-5				
Depth	0' - 2'	10' - 12'		
SVOCs	mg/Kg	mg/Kg	USCO	RSCO
Benzo(a)anthracene	2.18	NAS	1	1
Benzo(b)fluoranthene	1.24	NAS	1	1
Benzo(k)fluoranthene	1.21	NAS	0.8	1
Chrysene	2.57	NAS	1	1
Indeno(1,2,3-cd)pyrene	0.697	NAS	0.5	0.5

SP-2				
Depth	0' - 2'	10' - 12'		
SVOCs	mg/Kg	mg/Kg	USCO	RSCO
Benzo(a)anthracene	NAS	1.58	1	1
Benzo(k)fluoranthene	NAS	0.831	0.8	1
Chrysene	NAS	1.95	1	1
Indeno(1,2,3-cd)pyrene	NAS	0.517	0.5	0.5

SP-6				
Depth	0' - 2'	10' - 12'		
SVOCs	mg/Kg	mg/Kg	USCO	RSCO
Benzo(a)anthracene	1.75	NAS	1	1
Chrysene	1.74	NAS	1	1

SP-1				
Depth	0' - 2'	10' - 12'		
SVOCs	mg/Kg	mg/Kg	USCO	RSCO
Benzo(a)anthracene	1.81	NAS	1	1
Chrysene	1.60	NAS	1	1

SP-4				
Depth	0' - 2'	10' - 12'		
SVOCs	mg/Kg	mg/Kg	USCO	RSCO
Benzo(a)anthracene	1.28	NAS	1	1
Benzo(k)fluoranthene	1.08	NAS	0.8	1
Benzo(a)Pyrene	1.14	NAS	1	1
Chrysene	1.23	NAS	1	1
Dibenzo(a,h)anthracene	0.453	NAS	0.33	0.33
Indeno(1,2,3-cd)pyrene	0.874	NAS	0.5	0.5

SP-3				
Depth	0' - 2'	10' - 12'		
SVOCs	mg/Kg	mg/Kg	USCO	RSCO
Benzo(a)anthracene	5.7	NAS	1	1
Benzo(k)fluoranthene	0.816	NAS	0.8	1
Chrysene	5.49	NAS	1	1
Dibenzo(a,h)anthracene	0.364	NAS	0.33	0.33
Indeno(1,2,3-cd)pyrene	0.698	NAS	0.5	0.5

LEGEND:

- SOIL PROBE LOCATIONS (SP)
- SVOCs SEMI VOLATILE ORGANIC COMPOUNDS
- mg/Kg MILLIGRAMS PER KILOGRAM
- USCO UNRESTRICTED USE SOIL CLEANUP OBJECTIVES
- RSCO RESTRICTED USE SOIL CLEANUP OBJECTIVES
- NAS NONE ABOVE STANDARDS
- BLUE SHADED VALUES EXCEED USCO
- RED SHADED VALUES EXCEED RSCO



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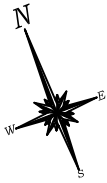
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 Scale: AS NOTED

TITLE:

FIGURE 9: MAP OF SVOCs IN SOIL



EAST 135th STREET

SIDEWALK

SP-5			
Depth	0' - 2'	10' - 12'	
PESTICIDES	mg/Kg	mg/Kg	USCO
4,4'-DDD	0.0285	NAS	0.0033
4,4'-DDE	0.0357	NAS	0.0033
4,4'-DDT	0.143	NAS	0.0033
Total Pesticides & PCBs	0.069	NAS	

SP-5

SP-2		
Depth	0' - 2'	10' - 12'
PESTICIDES	NAS	NAS
Total Pesticides & PCBs	0.43	NAS

SP-2

SP-6		
Depth	0' - 2'	10' - 12'
PESTICIDES	NAS	NAS
Total Pesticides & PCBs	0.069	NAS

SP-6

SP-1			
Depth	0' - 2'	10' - 12'	
PESTICIDES	mg/Kg	mg/Kg	USCO
4,4'-DDD	0.046	NAS	0.0033
4,4'-DDT	0.10	NAS	0.0033
Total Pesticides & PCBs	0.13	NAS	

SP-1



SP-4			
Depth	0' - 2'	10' - 12'	
PESTICIDES	mg/Kg	mg/Kg	USCO
4,4'-DDD	0.0948	NAS	0.0033
4,4'-DDT	0.177	NAS	0.0033
Total Pesticides & PCBs	0.72	NAS	

SP-4

SP-3			
Depth	0' - 2'	10' - 12'	
PESTICIDES	mg/Kg	mg/Kg	USCO
4,4'-DDD	0.0519	NAS	0.0033
4,4'-DDE	NAS	0.00453	0.0033
4,4'-DDT	0.107	0.00386	0.0033
Total Pesticides & PCBs	0.16	0.008	

SP-3

LEGEND:

-  SOIL PROBE LOCATIONS (SP)
- mg/Kg MILLIGRAMS PER KILOGRAM
- USCO UNRESTRICTED USE SOIL CLEANUP OBJECTIVES
- NAS NONE ABOVE STANDARDS
-  SHADED VALUES EXCEED USCO



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 Scale: AS NOTED

TITLE:

FIGURE 10: MAP OF PESTICIDES AND PCBs IN SOIL



EAST 135th STREET

SIDEWALK

SP-5				
Depth	0' - 2'	10' - 12'		
METALS	mg/Kg	mg/Kg	USCO	RSCO
Barium	635	NAS	350	350
Copper	105	NAS	50	270
Lead	618	NAS	63	400
Selenium	NAS	12.70	3.9	36
Zinc	417	NAS	109	2,200

SP-2			
Depth	0' - 2'	10' - 12'	
METALS	mg/Kg	mg/Kg	USCO
Copper	158	NAS	50
Lead	313	NAS	63
Mercury	0.28	NAS	0.18
Nickel	NAS	44.30	44.30
Selenium	NAS	4.44	3.9
Zinc	302	NAS	109

SP-6			
Depth	0' - 2'	10' - 12'	
METALS	mg/Kg	mg/Kg	USCO
Copper	121	NAS	50
Lead	227	NAS	63
Mercury	0.27	NAS	0.18
Zinc	321	NAS	109

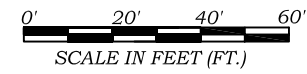
SP-1			
Depth	0' - 2'	10' - 12'	
METALS	mg/Kg	mg/Kg	USCO
Copper	80.60	NAS	50
Lead	251	NAS	63
Zinc	338	NAS	109

SP-4			
Depth	0' - 2'	10' - 12'	
METALS	mg/Kg	mg/Kg	USCO
Copper	85.40	NAS	50
Lead	278	NAS	63
Mercury	0.32	NAS	0.18
Zinc	345	NAS	109

SP-3				
Depth	0' - 2'	10' - 12'		
METALS	mg/Kg	mg/Kg	USCO	RSCO
Barium	378	NAS	350	350
Copper	103	NAS	50	270
Lead	286	NAS	63	400
Mercury	0.36	NAS	0.18	0.81
Selenium	NAS	4.18	3.9	36
Zinc	497	NAS	109	2,200

LEGEND:

- SOIL PROBE LOCATIONS (SP)
- mg/Kg MILLIGRAMS PER KILOGRAM
- USCO UNRESTRICTED USE SOIL CLEANUP OBJECTIVES
- NAS NONE ABOVE STANDARDS
- BLUE SHADED VALUES EXCEED USCO
- RED SHADED VALUES EXCEED RSCO



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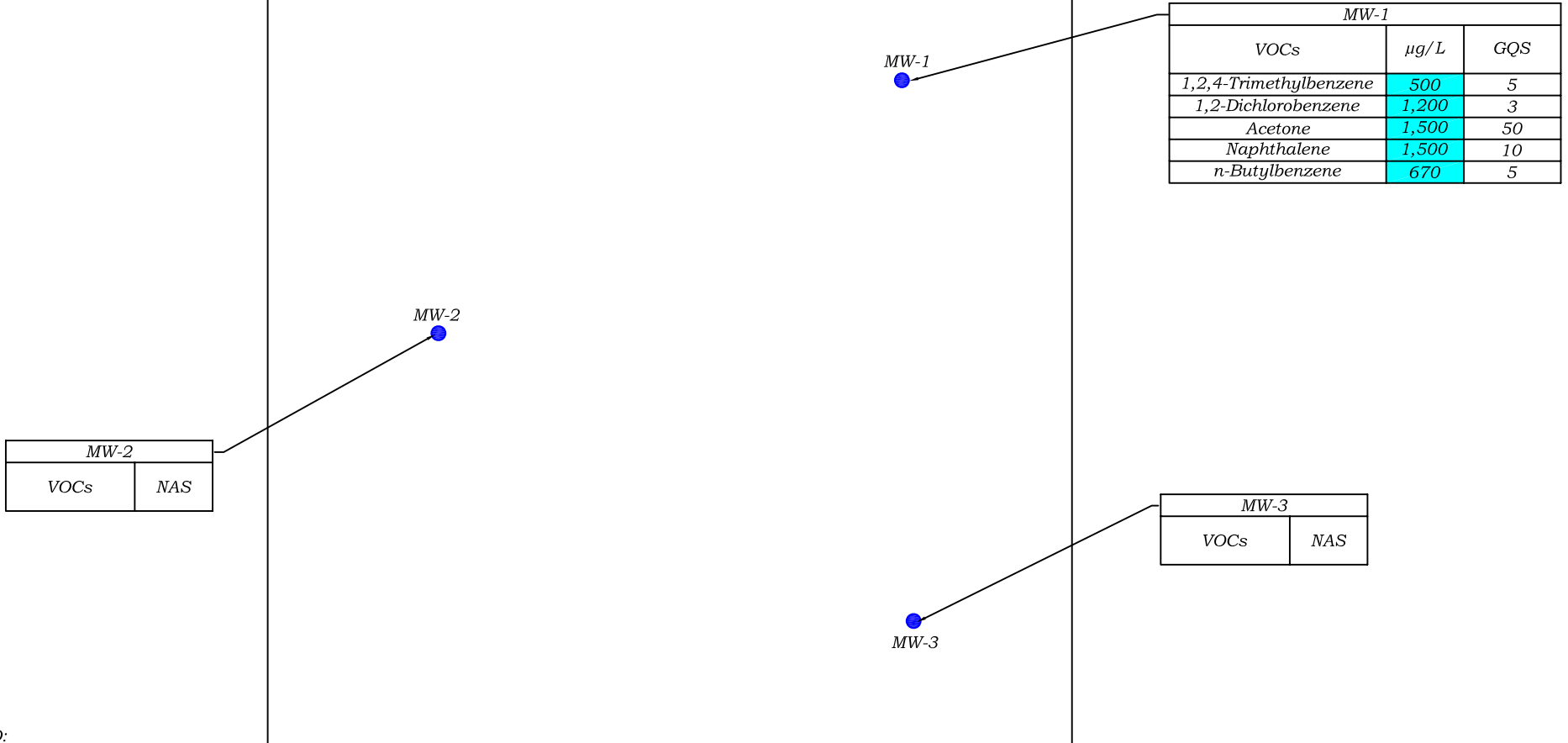
Drawn By: C.Q.
 Reviewed By:
 Approved By: M.R.
 Date: 07/20/15
 Scale: AS NOTED

TITLE:

FIGURE 11: MAP OF METALS IN SOIL

EAST 135th STREET

SIDEWALK



LEGEND:

- MONITORING WELL LOCATIONS (MW)
- VOCs VOLATILE ORGANIC COMPOUNDS
- µg/L MICROGRAMS PER LITER
- NAS NONE ABOVE STANDARDS
- GQS GROUNDWATER QUALITY STANDARDS
- SHADED VALUES EXCEED GQS



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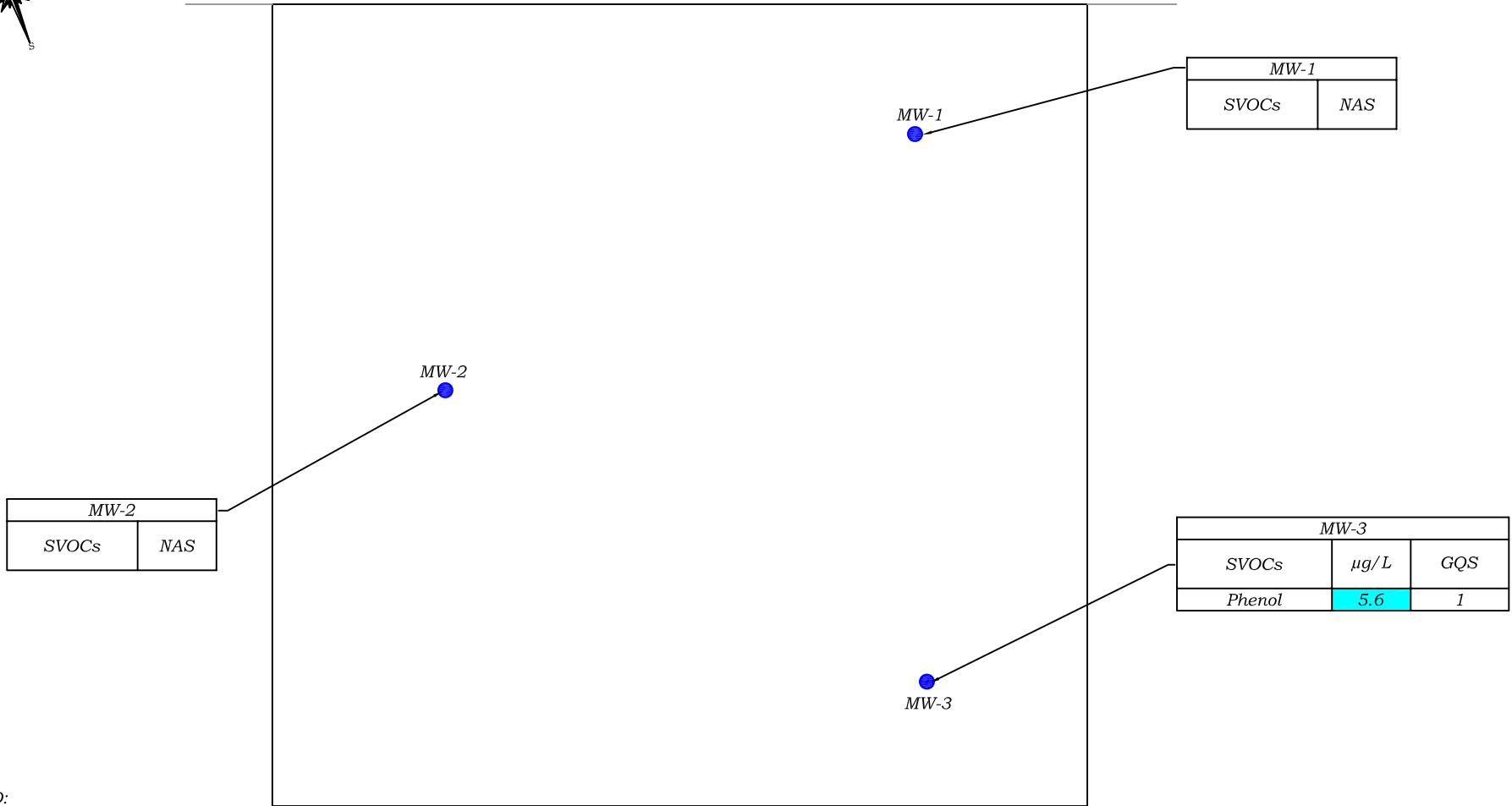
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FIGURE 12: MAP OF VOCs IN GROUNDWATER

EAST 135th STREET



SIDEWALK



LEGEND:

- MONITORING WELL LOCATIONS (MW)
- SVOCs SEMI VOLATILE ORGANIC COMPOUNDS
- µg/L MICROGRAMS PER LITER
- NAS NONE ABOVE STANDARDS
- GQS GROUNDWATER QUALITY STANDARDS
- SHADED VALUES EXCEED GQS



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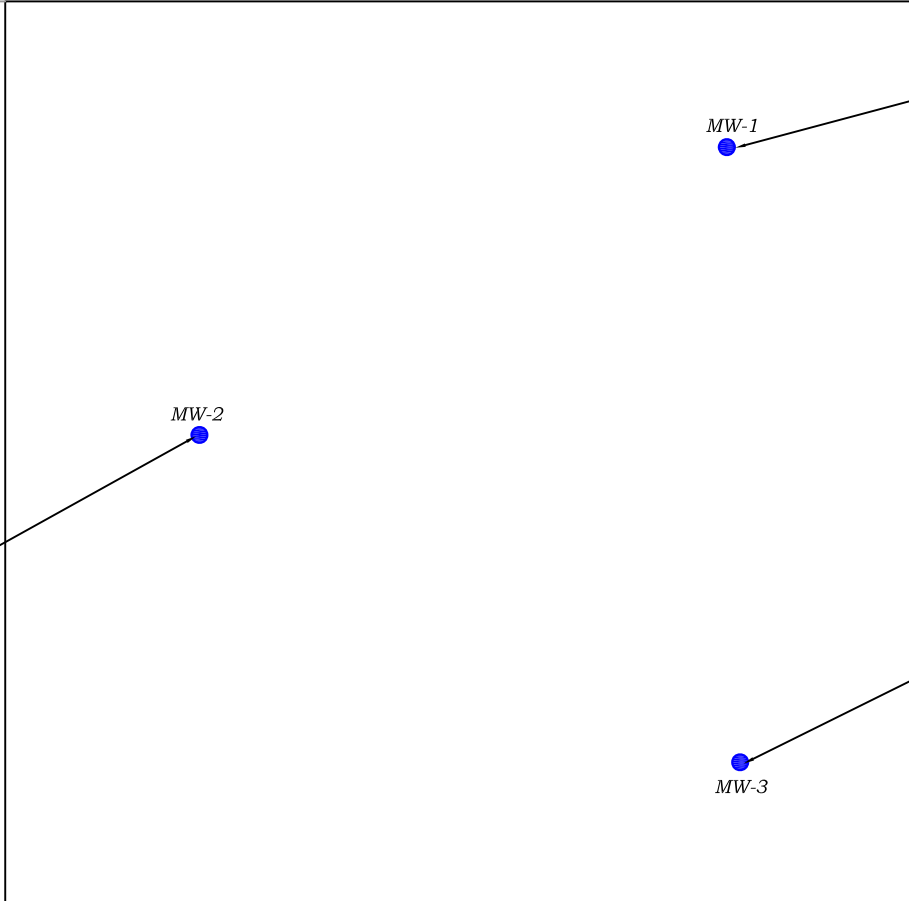
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FIGURE 13: MAP OF SVOCs IN GROUNDWATER

EAST 135th STREET



SIDEWALK



MW-1		
Dissolved Metals	µg/L	GQS
Antimony	40	3
Lead	27	25
Selenium	60	10
Sodium	157,000	20,000

MW-2		
Dissolved Metals	µg/L	GQS
Magnesium	40,700	35,000
Manganese	3,260	300
Sodium	170,000	20,000

MW-3		
Dissolved Metals	µg/L	GQS
Magnesium	145,000	35,000
Manganese	2,380	300
Selenium	27	10
Sodium	782,000	20,000

LEGEND:

- MONITORING WELL LOCATIONS (MW)
- µg/L MICROGRAMS PER LITER
- NAS NONE ABOVE STANDARDS
- GQS GROUNDWATER QUALITY STANDARDS
- SHADED VALUES EXCEED GQS



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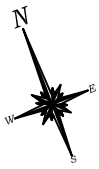
Drawn By: C.Q.
 Reviewed By:
 Approved By: M.R.
 Date: 07/20/15
 Scale: AS NOTED

TITLE:

FIGURE 14: MAP OF DISSOLVED METALS IN GROUNDWATER

EAST 135th STREET

SIDEWALK



SV-1	
VOCs	µg/m ³
Cyclohexane	8.90
Dichlorodifluoromethane	22
n-Heptane	23
n-Hexane	60
Trichlorofluoromethane	36

SV-1

SV-2	
VOCs	µg/m ³
Tetrachloroethylene	13
Trichlorofluoromethane	36

SV-2

SV-3	
VOCs	µg/m ³
Dichlorodifluoromethane	54
Tetrachloroethylene	19
Trichlorofluoromethane	34

SV-3

OA-1		
Date	6/16/15	7/1/15
VOCs	µg/m ³	µg/m ³
Methylene Chloride	53	NAS
n-Hexane	34	NAS
p- & m- Xylenes	15	NAS
Tetrachloroethylene	240	NAS
Tetrahydrofuran	NAS	1.90

OA-1

SV-4	
VOCs	µg/m ³
Dichlorodifluoromethane	17
Tetrachloroethylene	130
Trichlorofluoromethane	15

SV-4

SV-5	
VOCs	µg/m ³
1,2,4-Trimethylbenzene	12
2-Butanone	91
Acetone	580
Cyclohexane	32
Dichlorodifluoromethane	31
Ethyl benzene	24
n-Heptane	53
n-hexane	110
Tetrahydrofuran	69

SV-5

LEGEND:

- ▲ SOIL VAPOR PROBE LOCATIONS (SV)
- OUTDOOR AIR SAMPLE LOCATION (OA)
- VOCs VOLATILE ORGANIC COMPOUNDS
- µg/m³ MICROGRAMS PER CUBIC METER
- NAS NONE ABOVE STANDARDS



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Scale: AS NOTED

TITLE:

FIGURE 15: MAP OF SOIL VAPORS

TABLES

Table 7
Groundwater Analytical Results for Pesticides and PCBs
200 East 135th Street, Bronx, New York

Sample ID	MW-1		MW-2		MW-3		Field Blank		NYSDEC TOGS Standards and Guidance Values - GA
	6/16/2015		7/1/2015		6/16/2015		6/16/2015		
Client Matrix	Water		Water		Water		Water		
Compound	Result		Result		Result		Result		
Units	ug/L	Q	ug/L	Q	ug/L	Q	ug/L	Q	ug/L
4,4'-DDD	0.0043		<0.00457	U	<0.00471	U	<0.00421	U	0.3
4,4'-DDE	<0.0041	U	<0.00457	U	<0.00471	U	<0.00421	U	0.2
4,4'-DDT	<0.0041	U	<0.00457	U	<0.00471	U	<0.00421	U	0.2
Aldrin	<0.0041	U	<0.00457	U	<0.00471	U	<0.00421	U	NS
alpha-BHC	<0.0041	U	<0.00457	U	<0.00471	U	<0.00421	U	0.01
alpha-Chlordane	<0.0041	U	<0.00457	U	<0.00471	U	<0.00421	U	NS
Aroclor 1016	<0.0513	U	<0.0571	U	<0.0588	U	<0.0526	U	NS
Aroclor 1221	<0.0513	U	<0.0571	U	<0.0588	U	<0.0526	U	NS
Aroclor 1232	<0.0513	U	<0.0571	U	<0.0588	U	<0.0526	U	NS
Aroclor 1242	<0.0513	U	<0.0571	U	<0.0588	U	<0.0526	U	NS
Aroclor 1248	<0.0513	U	<0.0571	U	<0.0588	U	<0.0526	U	NS
Aroclor 1254	<0.0513	U	<0.0571	U	<0.0588	U	<0.0526	U	NS
Aroclor 1260	<0.0513	U	<0.0571	U	<0.0588	U	<0.0526	U	NS
beta-BHC	<0.0041	U	<0.00457	U	<0.00471	U	<0.00421	U	0.04
Chlordane, total	<0.041	U	<0.0457	U	<0.0471	U	<0.0421	U	0.05
delta-BHC	<0.0041	U	<0.00457	U	<0.00471	U	<0.00421	U	0.04
Dieldrin	<0.00205	U	<0.00229	U	<0.00235	U	<0.00211	U	0.004
Endosulfan I	<0.0041	U	<0.00457	U	<0.00471	U	<0.00421	U	NS
Endosulfan II	<0.0041	U	<0.00457	U	<0.00471	U	<0.00421	U	NS
Endosulfan sulfate	<0.0041	U	<0.00457	U	<0.00471	U	<0.00421	U	NS
Endrin	<0.0041	U	<0.00457	U	<0.00471	U	<0.00421	U	NS
Endrin aldehyde	<0.0103	U	<0.0114	U	<0.0118	U	<0.0105	U	5
Endrin ketone	<0.0103	U	<0.0114	U	<0.0118	U	<0.0105	U	5
gamma-BHC (Lindane)	<0.0041	U	<0.00457	U	<0.00471	U	<0.00421	U	0.05
gamma-Chlordane	<0.0103	U	<0.0114	U	<0.0118	U	<0.0105	U	NS
Heptachlor	<0.0041	U	<0.00457	U	<0.00471	U	<0.00421	U	0.04
Heptachlor epoxide	<0.0041	U	<0.00457	U	<0.00471	U	<0.00421	U	0.03
Methoxychlor	<0.0041	U	<0.00457	U	<0.00471	U	<0.00421	U	35
Toxaphene	<0.103	U	<0.114	U	<0.118	U	<0.105	U	0.06
Total PCBs	<0.0513	U	<0.0571	U	<0.0588	U	<0.0526	U	0.09

NOTES:

Any Regulatory Exceedences are color coded by Regulation

Q is the Qualifier Column with definitions as follows:

U=analyte not detected at or above the level indicated

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

ND=analyte not detected at or above the level indicated

XXXXXXXXXX = sample exceeds NYSDEC TOGS Standards and Guidance Values - GA

Table 8
Groundwater Analytical Results for Metals
200 East 135th Street, Bronx, New York

Sample ID	MW-1		MW-2		MW-3		Field Blank		NYSDEC TOGS Standards and Guidance Values - GA
Sampling Date	6/16/2015		7/1/2015		6/16/2015		6/16/2015		
Client Matrix	Water		Water		Water		Water		
Compound	Result		Result		Result		Result		
Units	ug/L	Q	ug/L	Q	ug/L	Q	ug/L	Q	
Metals, Target Analyte									
Aluminum	29,300		129		1,380		<50	U	NS
Antimony	59		<5	U	5		<5	U	3
Arsenic	<4	U	14		<4	U	<4	U	25
Barium	369		105		203		<10	U	1000
Beryllium	<1	U	<1	U	<1	U	<1	U	3
Cadmium	<3	U	<3	U	<3	U	<3	U	5
Calcium	136,000		215,000		299,000		<50	U	NS
Chromium	57		<5	U	6		<5	U	50
Chromium, Hexavalent	<10	U	<10	U	<10	U	<10	U	50
Chromium, Trivalent	57		<10	U	<10	U	<10	U	NS
Cobalt	<5	U	<5	U	<5	U	<5	U	NS
Copper	115		12		28		<3	U	200
Iron	18,400		17,700		19,500		<20	U	NS
Lead	227		6		36		<3	U	25
Magnesium	25,000		41,500		164,000		<50	U	35000
Manganese	519		3,550		2,690		<5	U	300
Mercury	<0.2	U	<0.2	U	<0.2	U	<0.2	U	0.7
Nickel	<5	U	<5	U	<5	U	<5	U	100
Potassium	24,600		26,300		77,200		139		NS
Selenium	160		<10	U	17		<10	U	10
Silver	<5	U	<5	U	<5	U	<5	U	50
Sodium	173,000	B	169,000		816,000	BE	1,090	B	20000
Thallium	<5	U	<5	U	<5	U	<5	U	NS
Vanadium	62		<10	U	<10	U	<10	U	NS
Zinc	156		31		65		14		2000
Metals, Target Analyte, Dissolved									
Aluminum	3,430		<50	U	<50	U	<50	U	NS
Antimony	40		<5	U	<5	U	<5	U	3
Arsenic	<4	U	6		<4	U	6		25
Barium	99		57		56		<10	U	1000
Beryllium	<1	U	<1	U	<1	U	<1	U	3
Cadmium	<3	U	<3	U	<3	U	<3	U	5
Calcium	112,000		214,000		273,000		<50	U	NS
Chromium	12		<5	U	<5	U	<5	U	50
Cobalt	<5	U	<5	U	<5	U	<5	U	NS
Copper	39		6		10		<3	U	200
Iron	2,140		160		1,500		<20	U	NS
Lead	27		<3	U	<3	U	<3	U	25
Magnesium	21,600		40,700		145,000		<50	U	35000
Manganese	277		3,260		2,380		<5	U	300
Mercury	<0.2	U	<0.2	U	<0.2	U	<0.2	U	0.7
Nickel	<5	U	<5	U	<5	U	<5	U	100
Potassium	16,400		25,900		71,100		133		NS
Selenium	60		<10	U	27		14		10
Silver	<5	U	<5	U	<5	U	<5	U	50
Sodium	157,000		170,000		782,000	E	1,010		20000
Thallium	<5	U	<5	U	<5	U	<5	U	NS
Vanadium	<10	U	<10	U	<10	U	<10	U	NS
Zinc	16		<10	U	15		<10	U	2000

NOTES:

Any Regulatory Exceedences are color coded by Regulation

Q is the Qualifier Column with definitions as follows:

U=analyte not detected at or above the level indicated

B=analyte found in the analysis batch blank

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

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

 = sample exceeds NYSDEC TOGS Standards and Guidance Values - GA

APPENDICES

**Appendix A: Previous Investigation (Subsurface [Phase II] Investigation by
AKRF, Inc.)**

Storage Deluxe
200 East 135th Street

BRONX, NEW YORK

Subsurface (Phase II) Investigation

AKRF Project Number: 80095

Prepared for:

Storage Deluxe

50 Main Street, Suite 812
White Plains, New York 10606

Prepared by:



440 Park Avenue South, 7th Floor
New York, New York 10016
212-696-0670

DECEMBER 2006

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Table 1 - Summary of Volatile Organic Compounds (VOCs) in Soil
Table 2 - Summary of Semivolatile Organic Compounds (SVOCs) in Soil
Table 3 - Summary of Polycyclic Aromatic Hydrocarbons (PAHs) in Soil
Table 4 - Summary of PCBs and Pesticides in Soil
Table 5 - Summary of Metals in Soil

FIGURES

Figure 1 - Site Location Map
Figure 2 - Site Plan

APPENDICES

Appendix A - Soil Boring Logs
Appendix B - Soil Analytical Data Sheets
Appendix C – Post Excavation Figure from 1999 Remedial Activities Report

1.0 INTRODUCTION

AKRF, Inc. (AKRF) conducted a subsurface (Phase II) investigation at the 200 East 135th Street property in the Bronx, New York. The subject site consisted of an approximately 42,000 square-foot unpaved vacant lot located on the south side of East 135th Street between 3rd and Park Avenues. The Phase II study was intended to determine whether the site had been affected by current or former on- or off-site operations. A site location map is provided as Figure 1.

The subject site of this investigation was included in several previous environmental studies comprising a larger, approximately 6.5-acre site. The investigations included: a Phase I Environmental Site Assessment (ESA) in June 1995 by Aqua Terra Environmental Services Corp.; and a Phase I Update in September 1997, a Subsurface (Phase II) Investigation in January 1998, and a supplemental Subsurface (Phase II) Investigation in February 1998 by Land Tech Remedial, Inc. Historical on-site operations included a railroad freight yard, coal yards, warehousing and various industrial uses, some of which included oil storage. Laboratory analysis of soil samples collected during several of these investigations detected concentrations of volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs) and metals above the New York State Department of Environmental Conservation (NYSDEC) guidance values; however, no samples indicated that the soil would be considered a characteristic hazardous waste in accordance with state regulations.

Consequently, AKRF completed remedial activities at the 6.5-acre site in the fall of 1999 that included test pits, endpoint soil sample analysis, and the off-site removal of: approximately 4,000 cubic yards of screened soil; approximately 60 cubic yards of tires; and approximately 4,000 cubic yards of oversized masonry and co-mingled debris (concrete, wood and metal). Two of the test pits, one soil boring and five endpoint samples analyzed were from within the approximately 42,000-square foot project area of this current investigation. In addition, soil from an approximately 1,600 square-foot section of the subject site was excavated for off-site disposal. A figure from AKRF's Remedial Activities Report showing the locations of the soil removal, test pit and soil boring locations and confirmatory end-point sampling is included as Appendix C. The location of this current study site is highlighted on the old figure. Subsequent to the remediation activities, a Phase I ESA was conducted by SECOR in April 2004 and a Phase I Update was conducted by AKRF in August 2006.

This Subsurface (Phase II) study was conducted on November 1, 2006 and included the advancement of five soil borings and the collection of soil samples for laboratory analysis. The scope of work was based on the previous investigations conducted at the site. This report describes methods and results of the Phase II investigation conducted by AKRF.

2.0 TOPOGRAPHY AND HYDROGEOLOGY

The surface topography at the site is generally level. Based on the U.S. Geological Survey Central Park, New York-New Jersey topographic map, the property lies at an elevation of approximately 20 feet above the National Geodetic Vertical Datum of 1929 (an approximation of mean sea level).

Groundwater was encountered at a depth of approximately 13 feet below surface grade during this investigation. Groundwater most likely flows in a south-southwesterly direction toward the Bronx River, located approximately 400 feet southwest of the study site. However, actual groundwater flow at the site can be affected by many factors including past filling activities, underground utilities and other subsurface openings or obstructions such as basements, underground parking garages, bedrock geology,

and other factors beyond the scope of this study. Groundwater in the Bronx is not used as a source of potable water.

3.0 FIELD ACTIVITIES

3.1 Soil Borings

On November 1, 2006, Zebra Environmental of Lynbrook, New York advanced five soil borings at the subject property, as shown on Figure 2. The soil borings were advanced using a truck-mounted Geoprobe[®] direct push probe (DPP) unit. Soil samples were collected using five-foot long, two-inch diameter, macrocore piston rod samplers fitted with acetate liners. Soil borings AK-SB-1, AK-SB-2, AK-SB-4 and AK-SB-5 were advanced to 10 feet below grade and soil boring AK-SB-3 was advanced to 15 feet below grade. Soil boring logs are provided in Appendix A.

Each sample was split lengthwise and logged by AKRF field personnel. Logging consisted of: describing the soil according to the modified Burmister Classification System; describing any evidence of contamination (e.g., staining, sheens, odors); and screening the soil for organic vapors using a photoionization detector (PID) in one-foot intervals. Two soil samples from each boring (one shallow and one deep) were selected for laboratory analysis based on PID response and visual indications of contamination. At soil boring location AK-SB-3, perched groundwater was encountered at a depth of approximately nine feet below grade. The soil was dry between the 10-foot to 13-foot interval. The groundwater table was encountered at approximately 13 feet below grade.

Soil samples designated for laboratory analysis were collected using dedicated sampling equipment, placed into laboratory-supplied containers and a chilled cooler, and submitted via courier to Alpha Analytical Laboratories in Westborough, Massachusetts, a New York State-certified laboratory. Soil samples were analyzed for volatile organics compounds (VOCs) by EPA Method 8260, semi-volatile organic compounds (SVOCs) by EPA Method 8270, polychlorinated biphenyls (PCBs) by Method 8081, pesticides by Method 8082, and target analyte list (TAL) metals.

An attempt was made to collect a groundwater sample at soil boring AK-SB-3 using a temporary PVC monitoring well, dedicated tubing and a peristaltic pump. Due to the high silt content in the well, a groundwater sample could not be collected.

One trip blank accompanied the sample shipment for quality assurance/quality control (QA/QC) purposes, which was analyzed for VOCs by EPA Method 8260 only. No additional QA/QC samples were collected.

3.2 Field Observations and Analytical Results

Soil encountered during this investigation consisted of urban fill (brick, wood, glass, ash, coal slag and coal) with some brown and gray fine sand, silt, and fine gravel. Groundwater was encountered at a depth of approximately 13 feet below surface grade at soil boring location AK-SB-3.

Recovered soil at each boring was transferred from the sampler into sealable plastic bags. The headspace of each sample was screened for volatile organic compounds (VOCs) by placing the probe of a Model 580B photoionization detector (PID) inside the plastic bags. No PID headspace readings were detected above background in soil boring locations AK-SB-1, AK-SB-2 and AK-

SB-4. A PID headspace reading of 6.4 parts per million (ppm) and a slight petroleum-like odor were detected in the soil from soil boring AK-SB-3 at a depth of approximately 9 to 10 feet below grade. A PID headspace reading of 0.7 ppm and a slight creosote-like odor were detected in soil from soil boring AK-SB-5 at a depth of approximately 8 to 9 feet below grade. Wood fragments were noted in the boring at this depth, which may have been creosote-treated. Results of the field screening activities are provided in the soil boring logs in Appendix A.

4.0 LABORATORY ANALYTICAL RESULTS

4.1 Soil Analytical Results

Ten (10) discrete soil samples, two from each boring, were collected for laboratory analysis as part of this investigation. Soil sample analytical results were compared to the Recommended Soil Cleanup Objectives (RSCO), outlined in the New York State Department of Environmental Conservation (NYSDEC) Technical and Administrative Guidance Memorandum (TAGM) 4046. In addition, results of the soil metals analyses were compared to TAGM 4046 Eastern United States background levels. Soil descriptions, observations, and photoionization detector (PID) readings were recorded on the soil boring logs provided in Appendix A. Laboratory analytical data sheets are included in Appendix B.

Soil analytical results for volatile organic compounds (VOCs) are presented in Table 1. Acetone was detected in soil samples AK-SB-3 (9'-10') and AK-SB-4 (9'-10') at concentrations of 0.13 parts per million (ppm) and 0.053 ppm, respectively, which are below the TAGM RSCO of 0.2 ppm. A concentration of 2-butanone was detected in soil sample AK-SB-3 (9'-10') at 0.032 ppm, which is below the TAGM RSCO of 0.3 ppm. Naphthalene was detected in samples AK-SB-2 (1'-2'), AK-SB-3 (2'-3'), AK-SB-4 (9'-10'), and AK-SB-5 (8'-9') at concentrations ranging from 0.017 ppm to 0.49 ppm, below the RSCO of 13 ppm. A PID headspace reading of 6.4 ppm and a slight petroleum-like odor were detected in soil boring location AK-SB-3 (9'-10'); however, based on field observations and the lack of a petroleum source, the detections in these samples were most likely due to the quality of urban fill material and not to a specific release or spill.

Soil analytical results for semivolatile organic compounds (SVOCs) are presented in Table 2. SVOCs were detected in all of the soil samples analyzed, in some cases at concentrations above their respective TAGM RSCOs. To accurately quantify certain SVOCs for comparison with the established TAGM RSCOs, the polycyclic aromatic hydrocarbons (PAHs) portion of the SVOCs were reanalyzed in the laboratory at lower detection limits. In some samples, the laboratory reported elevated detection limits due to elevated concentrations of target compounds. The results of this analysis are presented in Table 3. Detected elevated compounds included benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, indeno(1,2,3-cd)pyrene, naphthalene, phenol, and phenanthrene. The majority of the SVOCs detected, including those that exceeded the TAGM criteria, were PAHs, compounds typically detected in urban fill encountered in New York City. In general, soil sampled during this investigation comprised urban fill material, including coal and ash. Based on the nature and concentration of compounds detected, these levels are likely attributable to urban fill and do not reflect contamination from an on- or off-site spill or release.

Soil analytical results for polychlorinated biphenyls (PCBs) and pesticides are presented in Table 4. PCBs were detected in soil samples AK-SB-1 (1'-2'), AK-SB-2 (9'-10'), AK-SB-3 (2'-3'), AK-SB-4 (2'-3') and AK-SB-5 (8'-9') at concentrations below the TAGM RSCO of 10 ppm for subsurface soil. Pesticides were detected in soil samples AK-SB-1 (1'-2'), AK-SB-2 (1'-2'),

AK-SB-3 (2'-3'), and AK-SB-3 (9'-10'), but at concentrations below their respective TAGM RSCOs. Based on the nature and distribution of identified PCBs and pesticides in the analyzed samples, the detected levels are likely attributable to the urban fill and do not reflect contamination from an on- or off-site spill or release.

Metals analytical results are presented in Table 5. Metals were detected in all ten samples analyzed, primarily at concentrations either below the TAGM RSCOs or within the Eastern United States background ranges. Metals concentrations exceeding both of these criteria included cadmium, calcium, chromium, copper, magnesium, mercury, nickel, and zinc. Based on the type and distribution of the identified metals concentrations, the metals detections are most likely attributable to urban fill at the site or are naturally occurring in the soil and do not appear to be indicative of environmental contamination from historic on-site operations.

5.0 CONCLUSIONS AND RECOMMENDATIONS

Ten (10) soil samples were collected from the five (5) soil borings for laboratory analysis. Soil encountered during this investigation generally consisted of urban fill (brick, wood, glass, ash, coal slag and coal) with some brown and gray fine sand, silt, and fine gravel.

Laboratory analysis indicated that low levels of volatile organic compounds (VOCs) were detected in four of the soil samples analyzed at concentrations below their respective TAGM RSCOs. SVOCs were detected in all of the soil samples analyzed, in some cases at concentrations above their respective TAGM RSCOs. PCBs and pesticides were detected in some of the soil samples analyzed, but at concentrations below their respective TAGM RSCOs. Metals were detected in all ten samples analyzed, primarily at concentrations either below the TAGM RSCOs or within the Eastern United States background ranges. Based on the concentrations and distribution of the identified compounds and metals, the detections are most likely attributable to the urban fill at the site.

Proposed redevelopment of the subject site includes construction of a storage building. The first three floors (approximately 100,000 square feet) of the seven floor building will be for art storage. The proposed construction will be pile-supported and will not have a basement. Final first floor grade will be approximately one foot above existing grade and the loading dock will be approximately two feet below existing grade. A 10-mil thick vapor barrier will be placed on top of a four to six-inch gravel substrate. The building will include a sophisticated air handling system which will filter the incoming air that will be circulated throughout the space. Dewatering will not be necessary for site development. Any soil excavated as part of any future site development activities will be managed in accordance with all applicable regulations. Soil intended for off-site disposal will be tested in accordance with the requirements of the receiving facility. Transportation of material leaving the site for off-site disposal will be in accordance with federal, state and local requirements covering licensing of haulers and trucks, placarding, truck routes, manifesting, etc.

Because the proposed warehouse will be used only for the storage of art, and the development plans include the installation of an air purifying system to protect the art and a vapor barrier, potential vapor intrusion into the proposed warehouse is not expected to affect human health. In addition, no significant volatile organics were detected by this Phase II study in the underlying soil.

Based on the results of this investigation, and on the positive effect of the previous remedial activities conducted at the subject site, and the proposed systems that will be installed in and below the proposed building, no further investigation is warranted at this time.

6.0 REFERENCES

1. Phase I Environmental Site Assessment Update – East 135th Street and Park Avenue, Bronx, New York; Land Tech Remedial, Inc.; September 1997.
2. Phase II Subsurface Investigation – East 135th Street and Park Avenue, Bronx, New York; Land Tech Remedial, Inc.; January 1998.
3. Supplemental Phase II Subsurface Investigation – East 135th Street and Park Avenue, Bronx, New York; Land Tech Remedial, Inc.; February 1998.
4. Remedial Activities Report – East 135th Street, Bronx, New York; AKRF, Inc.; November 1999.
5. Phase I Environmental Site Assessment – East 135th Street, Bronx, New York; SECOR International, Inc.; April 2004.
6. Phase I Environmental Site Assessment Update – East 135th Street, Bronx, New York; AKRF, Inc.; August 2006.

TABLES

Table 1
200 East 135th Street
Bronx, NY
Soil Analytical Results
Volatile Organic Compounds

Client ID LAB SAMPLE ID SAMPLING DATE UNITS	NY-TAGM RSCG mg/kg	AK-SB-4 (2'-3') L0615863-07 11/1/2006 mg/kg	AK-SB-4 (9'-10') L0615863-08 11/1/2006 mg/kg	AK-SB-5 (1'-2') L0615863-09 11/1/2006 mg/kg	AK-SB-5 (8'-9') L0615863-10 11/1/2006 mg/kg	TRIP BLANK L0615863-11 11/2/2006 mg/kg
Compounds						
1,1,1,2-Tetrachloroethane	NS	0.0028 U	0.0028 U	0.0028 U	0.0028 U	0.5 U
1,1,1-Trichloroethane	0.8	0.0028 U	0.0028 U	0.0028 U	0.0028 U	0.5 U
1,1,2,2-Tetrachloroethane	0.6	0.0028 U	0.0028 U	0.0028 U	0.0028 U	0.5 U
1,1,2-Trichloroethane	NS	0.0043 U	0.0043 U	0.0042 U	0.0042 U	0.75 U
1,1-Dichloroethane	0.2	0.0043 U	0.0043 U	0.0042 U	0.0042 U	0.75 U
1,1-Dichloroethene	0.4	0.0028 U	0.0028 U	0.0028 U	0.0028 U	0.5 U
1,1-Dichloropropene	NS	0.014 U	0.014 U	0.014 U	0.014 U	2.5 U
1,2,3-Trichlorobenzene	NS	0.014 U	0.014 U	0.014 U	0.014 U	2.5 U
1,2,3-Trichloropropane	0.4	0.028 U	0.028 U	0.028 U	0.028 U	5 U
1,2,4-Trichlorobenzene	3.4	0.014 U	0.014 U	0.014 U	0.014 U	2.5 U
1,2,4-Trimethylbenzene	NS	0.014 U	0.014 U	0.014 U	0.02	2.5 U
1,2-Dibromo-3-chloropropane	NS	0.014 U	0.014 U	0.014 U	0.014 U	2.5 U
1,2-Dibromoethane	NS	0.011 U	0.011 U	0.011 U	0.011 U	2 U
1,2-Dichlorobenzene	7.9	0.014 U	0.014 U	0.014 U	0.014 U	2.5 U
1,2-Dichloroethane	0.1	0.0028 U	0.0028 U	0.0028 U	0.0028 U	0.5 U
1,2-Dichloropropane	NS	0.0099 U	0.0099 U	0.0097 U	0.0097 U	1.8 U
1,3,5-Trimethylbenzene	NS	0.014 U	0.014 U	0.014 U	0.014 U	2.5 U
1,3-Dichlorobenzene	1.6	0.014 U	0.014 U	0.014 U	0.014 U	2.5 U
1,3-Dichloropropane	0.3	0.014 U	0.014 U	0.014 U	0.014 U	2.5 U
1,4-Dichlorobenzene	8.5	0.014 U	0.014 U	0.014 U	0.014 U	2.5 U
1,4-Dichlorobutane	NS	0.028 U	0.028 U	0.028 U	0.028 U	5 U
2,2-Dichloropropane	NS	0.014 U	0.014 U	0.014 U	0.014 U	2.5 U
2-Butanone	0.3	0.028 U	0.028 U	0.028 U	0.028 U	5 U
2-Hexanone	NS	0.028 U	0.028 U	0.028 U	0.028 U	5 U
4-Methyl-2-pentanone	1	0.028 U	0.028 U	0.028 U	0.028 U	5 U
Acetone	0.2	0.028 U	0.053	0.028 U	0.028 U	5 U
Acrolein	NS	0.071 U	0.071 U	0.069 U	0.069 U	12 U
Acrylonitrile	NS	0.011 U	0.011 U	0.011 U	0.011 U	5 U
Benzene	0.06	0.0028 U	0.0028 U	0.0028 U	0.0028 U	0.5 U
Bromobenzene	NS	0.014 U	0.014 U	0.014 U	0.014 U	2.5 U
Bromochloromethane	NS	0.014 U	0.014 U	0.014 U	0.014 U	2.5 U
Bromodichloromethane	NS	0.0028 U	0.0028 U	0.0028 U	0.0028 U	0.5 U
Bromoform	NS	0.011 U	0.011 U	0.011 U	0.011 U	2 U
Bromomethane	NS	0.0057 U	0.0057 U	0.0056 U	0.0056 U	1 U
Carbon disulfide	2.7	0.028 U	0.028 U	0.028 U	0.028 U	5 U
Carbon tetrachloride	0.6	0.0028 U	0.0028 U	0.0028 U	0.0028 U	0.5 U
Chlorobenzene	1.7	0.0028 U	0.0028 U	0.0028 U	0.0028 U	0.5 U
Chloroethane	1.9	0.0057 U	0.0057 U	0.0056 U	0.0056 U	1 U
Chloroform	0.3	0.0043 U	0.0043 U	0.0042 U	0.0042 U	0.75 U
Chloromethane	NS	0.014 U	0.014 U	0.014 U	0.014 U	2.5 U
cis-1,2-Dichloroethene	NS	0.0028 U	0.0028 U	0.0028 U	0.0028 U	0.5 U
cis-1,3-Dichloropropene	NS	0.0028 U	0.0028 U	0.0028 U	0.0028 U	0.5 U
Dibromochloromethane	NS	0.0028 U	0.0028 U	0.0028 U	0.0028 U	0.5 U
Dibromomethane	NS	0.028 U	0.028 U	0.028 U	0.028 U	5 U
Dichlorodifluoromethane	NS	0.028 U	0.028 U	0.028 U	0.028 U	5 U
Ethyl ether	NS	0.014 U	0.014 U	0.014 U	0.014 U	2.5 U
Ethyl methacrylate	NS	0.028 U	0.028 U	0.028 U	0.028 U	5 U
Ethylbenzene	5.5	0.0028 U	0.0028 U	0.0028 U	0.0028 U	0.5 U
Hexachlorobutadiene	NS	0.014 U	0.014 U	0.014 U	0.014 U	0.6 U
Iodomethane	NS	0.028 U	0.028 U	0.028 U	0.028 U	5 U
Isopropylbenzene	NS	0.0028 U	0.0028 U	0.0028 U	0.0028 U	0.5 U
Methyl tert butyl ether	NS	0.0057 U	0.0057 U	0.0056 U	0.0056 U	1 U
Methylene chloride	0.1	0.028 U	0.028 U	0.028 U	0.028 U	5 U
Naphthalene	13	0.014 U	0.017	0.014 U	0.49	2.5 U
n-Butylbenzene	NS	0.0028 U	0.0028 U	0.0028 U	0.0028 U	0.5 U
n-Propylbenzene	NS	0.0028 U	0.0028 U	0.0028 U	0.0028 U	0.5 U
o-Chlorotoluene	NS	0.014 U	0.014 U	0.014 U	0.014 U	2.5 U
o-Xylene	NS	0.0057 U	0.0057 U	0.0056 U	0.0056 U	1 U
p/m-Xylene	NS	0.0057 U	0.0057 U	0.0056 U	0.0056 U	1 U
p-Chlorotoluene	NS	0.014 U	0.014 U	0.014 U	0.014 U	2.5 U
p-Isopropyltoluene	NS	0.0028 U	0.0028 U	0.0028 U	0.0028 U	0.5 U
sec-Butylbenzene	NS	0.0028 U	0.0028 U	0.0028 U	0.0028 U	0.5 U
Styrene	NS	0.0057 U	0.0057 U	0.0056 U	0.0056 U	1 U
tert-Butylbenzene	NS	0.014 U	0.014 U	0.014 U	0.014 U	2.5 U
Tetrachloroethene	1.4	0.0028 U	0.0028 U	0.0028 U	0.0028 U	0.5 U
Tetrahydrofuran	NS	0.057 U	0.057 U	0.056 U	0.056 U	10 U
Toluene	1.5	0.0043 U	0.0043 U	0.0042 U	0.0042 U	0.75 U
trans-1,2-Dichloroethene	0.3	0.0043 U	0.0043 U	0.0042 U	0.0042 U	0.75 U
trans-1,3-Dichloropropene	NS	0.0028 U	0.0028 U	0.0028 U	0.0028 U	0.5 U
trans-1,4-Dichloro-2-butene	NS	0.014 U	0.014 U	0.014 U	0.014 U	2.5 U
Trichloroethene	0.7	0.0028 U	0.0028 U	0.0028 U	0.0028 U	0.5 U
Trichlorofluoromethane	NS	0.014 U	0.014 U	0.014 U	0.014 U	2.5 U
Vinyl acetate	NS	0.028 U	0.028 U	0.028 U	0.028 U	5 U
Vinyl chloride	0.2	0.0057 U	0.0057 U	0.0056 U	0.0056 U	1 U

Table 2
200 East 135th Street
Bronx, NY
Soil Analytical Results
Semi Volatile Organic Compounds

LOCATION LAB SAMPLE ID SAMPLING DATE UNITS	NY-TAGM RSCO mg/kg	AK-SB-1 (1'-2') L0615863-01 11/1/2006 mg/kg	AK-SB-1 (6'-7') L0615863-02 11/1/2006 mg/kg	AK-SB-2 (1'-2') L0615863-03 11/1/2006 mg/kg	AK-SB-2 (9'-10') L0615863-04 11/1/2006 mg/kg	AK-SB-3 (2'-3') L0615863-05 11/1/2006 mg/kg
Compounds						
1,2,4,5-Tetrachlorobenzene	NS	7.8 U	15 U	1.5 U	7.5 U	7.4 U
1,2,4-Trichlorobenzene	3.4	1.9 U	3.7 U	0.37 U	1.9 U	1.8 U
1,2-Dichlorobenzene	7.9	1.9 U	3.7 U	0.37 U	1.9 U	1.8 U
1,3-Dichlorobenzene	1.6	1.9 U	3.7 U	0.37 U	1.9 U	1.8 U
1,4-Dichlorobenzene	8.5	1.9 U	3.7 U	0.37 U	1.9 U	1.8 U
1-Chloronaphthalene	NS	1.9 U	3.7 U	0.37 U	1.9 U	1.8 U
1-Methylnaphthalene	NS	1.9 U	5.4	0.37 U	1.9 U	1.8 U
2,4,5-Trichlorophenol	0.1	1.9 U	3.7 U	0.37 U	1.9 U	1.8 U
2,4,6-Trichlorophenol	NS	1.9 U	3.7 U	0.37 U	1.9 U	1.8 U
2,4-Dichlorophenol	0.4	3.9 U	7.3 U	0.73 U	3.7 U	3.7 U
2,4-Dimethylphenol	NS	1.9 U	3.7 U	0.37 U	1.9 U	1.8 U
2,4-Dinitrophenol	0.2	7.8 U	15 U	1.5 U	7.5 U	7.4 U
2,4-Dinitrotoluene	NS	1.9 U	3.7 U	0.37 U	1.9 U	1.8 U
2,6-Dichlorophenol	NS	3.9 U	7.3 U	0.73 U	3.7 U	3.7 U
2,6-Dinitrotoluene	1	1.9 U	3.7 U	0.37 U	1.9 U	1.8 U
2-Chloronaphthalene	NS	2.3 U	4.4 U	0.44 U	2.2 U	2.2 U
2-Chlorophenol	0.8	2.3 U	4.4 U	0.44 U	2.2 U	2.2 U
2-Methylnaphthalene	36.4	1.9 U	4.4	0.37 U	1.9 U	1.8 U
2-Methylphenol	0.1	2.3 U	4.4 U	0.44 U	2.2 U	2.2 U
2-Nitroaniline	0.43	1.9 U	3.7 U	0.37 U	1.9 U	1.8 U
2-Nitrophenol	0.33	7.8 U	15 U	1.5 U	7.5 U	7.4 U
2-Picoline	NS	7.8 U	15 U	1.5 U	7.5 U	7.4 U
3,3'-Dichlorobenzidine	NS	3.9 U	7.3 U	0.73 U	3.7 U	3.7 U
3-Methylcholanthrene	NS	7.8 U	15 U	1.5 U	7.5 U	7.4 U
3-Methylphenol/4-Methylphenol	NS	2.3 U	4.4 U	0.44 U	2.2 U	2.2 U
3-Nitroaniline	0.5	1.9 U	3.7 U	0.37 U	1.9 U	1.8 U
4,6-Dinitro-o-cresol	NS	7.8 U	15 U	1.5 U	7.5 U	7.4 U
4-Aminobiphenyl	NS	3.9 U	7.3 U	0.73 U	3.7 U	3.7 U
4-Bromophenyl phenyl ether	NS	1.9 U	3.7 U	0.37 U	1.9 U	1.8 U
4-Chloroaniline	0.22	1.9 U	3.7 U	0.37 U	1.9 U	1.8 U
4-Chlorophenyl phenyl ether	NS	1.9 U	3.7 U	0.37 U	1.9 U	1.8 U
4-Nitroaniline	NS	2.7 U	5.1 U	0.51 U	2.6 U	2.6 U
4-Nitrophenol	0.1	3.9 U	7.3 U	0.73 U	3.7 U	3.7 U
7,12-Dimethylbenz(a)anthracene	NS	3.9 U	7.3 U	0.73 U	3.7 U	3.7 U
a,a-Dimethylphenethylamine	NS	19 U	37 U	3.7 U	19 U	18 U
Acenaphthene	50	1.9 U	3.7 U	0.37 U	1.9 U	1.8 U
Acenaphthylene	41	1.9 U	3.7 U	0.37 U	1.9 U	1.8 U
Acetophenone	NS	7.8 U	15 U	1.5 U	7.5 U	7.4 U
a-Naphthylamine	NS	7.8 U	15 U	1.5 U	7.5 U	7.4 U
Aniline	0.1	3.9 U	7.3 U	0.73 U	3.7 U	3.7 U
Anthracene	50	3.7	13	0.6	2.1	3.8
Azobenzene	NS	1.9 U	3.7 U	0.37 U	1.9 U	1.8 U
Benzidine	NS	19 U	37 U	3.7 U	19 U	18 U
Benzo(a)anthracene	0.224	9.5	19	2	7.6	10
Benzo(a)pyrene	0.061	9.4	13	1.8	6.9	9.6
Benzo(b)fluoranthene	1.1	7.8	10	1.6	6.9	8.9
Benzo(e)pyrene	NS	6.2	7.8	1.2	4.8	6.2
Benzo(ghi)perylene	50	6.4	6	1.1	4.5	6.3
Benzo(k)fluoranthene	1.1	8.3	12	1.6	5.7	7.4

Table 2
200 East 135th Street
Bronx, NY
Soil Analytical Results
Semi Volatile Organic Compounds

LOCATION LAB SAMPLE ID SAMPLING DATE UNITS	NY-TAGM RSCO mg/kg	AK-SB-1 (1'-2') L0615863-01 11/1/2006 mg/kg	AK-SB-1 (6'-7') L0615863-02 11/1/2006 mg/kg	AK-SB-2 (1'-2') L0615863-03 11/1/2006 mg/kg	AK-SB-2 (9'-10') L0615863-04 11/1/2006 mg/kg	AK-SB-3 (2'-3') L0615863-05 11/1/2006 mg/kg
Compounds						
Benzoic Acid	2.7	19 U	37 U	3.7 U	19 U	18 U
Benzyl Alcohol	NS	3.9 U	7.3 U	0.73 U	3.7 U	3.7 U
Biphenyl	NS	1.9 U	3.7 U	0.37 U	1.9 U	1.8 U
Bis(2-chloroethoxy)methane	NS	1.9 U	3.7 U	0.37 U	1.9 U	1.8 U
Bis(2-chloroethyl)ether	NS	1.9 U	3.7 U	0.37 U	1.9 U	1.8 U
Bis(2-chloroisopropyl)ether	NS	1.9 U	3.7 U	0.37 U	1.9 U	1.8 U
Bis(2-ethylhexyl)phthalate	50	3.9 U	7.3 U	0.73 U	3.7 U	3.7 U
b-Naphthylamine	NS	7.8 U	15 U	1.5 U	7.5 U	7.4 U
Butyl benzyl phthalate	50	1.9 U	3.7 U	0.37 U	1.9 U	1.8 U
Carbazole	NS	1.9 U	4.6	0.37 U	1.9 U	1.8 U
Chlorobenzilate	NS	7.8 U	15 U	1.5 U	7.5 U	7.4 U
Chrysene	0.4	9.2	19	2	8	9.9
Dibenzo(a,h)anthracene	0.014	1.9 U	3.7 U	0.44	1.9 U	1.8 U
Dibenzofuran	6.2	1.9 U	3.7 U	0.37 U	1.9 U	1.8 U
Diethyl phthalate	7.1	1.9 U	3.7 U	0.37 U	1.9 U	1.8 U
Dimethoate	NS	7.8 U	15 U	1.5 U	7.5 U	7.4 U
Dimethyl phthalate	2	1.9 U	3.7 U	0.37 U	1.9 U	1.8 U
Di-n-butylphthalate	8.1	1.9 U	3.7 U	0.37 U	1.9 U	1.8 U
Di-n-octylphthalate	50	1.9 U	3.7 U	0.37 U	1.9 U	1.8 U
Ethyl Methanesulfonate	NS	5.8 U	11 U	1.1 U	5.6 U	5.6 U
Fluoranthene	50	21	45	4.4	19	24
Fluorene	50	1.9 U	6.2	0.37 U	1.9 U	1.8 U
Hexachlorobenzene	0.41	1.9 U	3.7 U	0.37 U	1.9 U	1.8 U
Hexachlorobutadiene	NS	3.9 U	7.3 U	0.73 U	3.7 U	3.7 U
Hexachlorocyclopentadiene	NS	3.9 U	7.3 U	0.73 U	3.7 U	3.7 U
Hexachloroethane	NS	1.9 U	3.7 U	0.37 U	1.9 U	1.8 U
Hexachloropropene	NS	3.9 U	7.3 U	0.73 U	3.7 U	3.7 U
Indeno(1,2,3-cd)pyrene	3.2	6.9	7.2	1.3	5.2	6.8
Isodrin	NS	3.9 U	7.3 U	0.73 U	3.7 U	3.7 U
Isophorone	4.4	1.9 U	3.7 U	0.37 U	1.9 U	1.8 U
Methyl methanesulfonate	NS	7.8 U	15 U	1.5 U	7.5 U	7.4 U
Naphthalene	13	1.9 U	5.9	0.37 U	1.9 U	1.8 U
NDPA/DPA	NS	5.8 U	11 U	1.1 U	5.6 U	5.6 U
Nitrobenzene	0.2	1.9 U	3.7 U	0.37 U	1.9 U	1.8 U
Nitrosodi-n-butylamine	NS	3.9 U	7.3 U	0.73 U	3.7 U	3.7 U
Nitrosodipiperidine	NS	7.8 U	15 U	1.5 U	7.5 U	7.4 U
n-Nitrosodimethylamine	NS	19 U	37 U	3.7 U	19 U	18 U
n-Nitrosodi-n-propylamine	NS	1.9 U	3.7 U	0.37 U	1.9 U	1.8 U
p-Chloro-m-cresol	NS	1.9 U	3.7 U	0.37 U	1.9 U	1.8 U
p-Dimethylaminoazobenzene	NS	3.9 U	7.3 U	0.73 U	3.7 U	3.7 U
Pentachlorobenzene	NS	7.8 U	15 U	1.5 U	7.5 U	7.4 U
Pentachloronitrobenzene	NS	3.9 U	7.3 U	0.73 U	3.7 U	3.7 U
Pentachlorophenol	1	7.8 U	15 U	1.5 U	7.5 U	7.4 U
Perylene	NS	2.5	3.7 U	0.48	1.9 U	2.5
Phenacetin	NS	3.9 U	7.3 U	0.73 U	3.7 U	3.7 U
Phenanthrene	50	13	59	2.5	9.8	14
Phenol	0.03	2.7 U	5.1 U	0.68	2.6 U	2.6 U
Pronamide	NS	7.8 U	15 U	1.5 U	7.5 U	7.4 U
Pyrene	50	18	39	3.7	16	20
Pyridine	NS	19 U	37 U	3.7 U	19 U	18 U

Table 2
200 East 135th Street
Bronx, NY
Soil Analytical Results
Semi Volatile Organic Compounds

LOCATION LAB SAMPLE ID SAMPLING DATE UNITS	NY-TAGM RSCO mg/kg	AK-SB-3 (9'-10') L0615863-06 11/1/2006 mg/kg	AK-SB-4 (2'-3') L0615863-07 11/1/2006 mg/kg	AK-SB-4 (9'-10') L0615863-08 11/1/2006 mg/kg	AK-SB-5 (1'-2') L0615863-09 11/1/2006 mg/kg	AK-SB-5 (8'-9') L0615863-10 11/1/2006 mg/kg
Compounds						
1,2,4,5-Tetrachlorobenzene	NS	1.6 U	3 U	1.5 U	1.5 U	2.7 U
1,2,4-Trichlorobenzene	3.4	0.41 U	0.76 U	0.38 U	0.37 U	0.67 U
1,2-Dichlorobenzene	7.9	0.41 U	0.76 U	0.38 U	0.37 U	0.67 U
1,3-Dichlorobenzene	1.6	0.41 U	0.76 U	0.38 U	0.37 U	0.67 U
1,4-Dichlorobenzene	8.5	0.41 U	0.76 U	0.38 U	0.37 U	0.67 U
1-Chloronaphthalene	NS	0.41 U	0.76 U	0.38 U	0.37 U	0.67 U
1-Methylnaphthalene	NS	0.41 U	0.76 U	0.38 U	0.37 U	0.67 U
2,4,5-Trichlorophenol	0.1	0.41 U	0.76 U	0.38 U	0.37 U	0.67 U
2,4,6-Trichlorophenol	NS	0.41 U	0.76 U	0.38 U	0.37 U	0.67 U
2,4-Dichlorophenol	0.4	0.81 U	1.5 U	0.76 U	0.74 U	1.3 U
2,4-Dimethylphenol	NS	0.41 U	0.76 U	0.38 U	0.37 U	0.67 U
2,4-Dinitrophenol	0.2	1.6 U	3 U	1.5 U	1.5 U	2.7 U
2,4-Dinitrotoluene	NS	0.41 U	0.76 U	0.38 U	0.37 U	0.67 U
2,6-Dichlorophenol	NS	0.81 U	1.5 U	0.76 U	0.74 U	1.3 U
2,6-Dinitrotoluene	1	0.41 U	0.76 U	0.38 U	0.37 U	0.67 U
2-Chloronaphthalene	NS	0.49 U	0.91 U	0.45 U	0.44 U	0.8 U
2-Chlorophenol	0.8	0.49 U	0.91 U	0.45 U	0.44 U	0.8 U
2-Methylnaphthalene	36.4	0.41 U	0.76 U	0.38 U	0.37 U	0.67 U
2-Methylphenol	0.1	0.49 U	0.91 U	0.45 U	0.44 U	0.8 U
2-Nitroaniline	0.43	0.41 U	0.76 U	0.38 U	0.37 U	0.67 U
2-Nitrophenol	0.33	1.6 U	3 U	1.5 U	1.5 U	2.7 U
2-Picoline	NS	1.6 U	3 U	1.5 U	1.5 U	2.7 U
3,3'-Dichlorobenzidine	NS	0.81 U	1.5 U	0.76 U	0.74 U	1.3 U
3-Methylcholanthrene	NS	1.6 U	3 U	1.5 U	1.5 U	2.7 U
3-Methylphenol/4-Methylphenol	NS	0.49 U	0.91 U	0.45 U	0.44 U	0.8 U
3-Nitroaniline	0.5	0.41 U	0.76 U	0.38 U	0.37 U	0.67 U
4,6-Dinitro-o-cresol	NS	1.6 U	3 U	1.5 U	1.5 U	2.7 U
4-Aminobiphenyl	NS	0.81 U	1.5 U	0.76 U	0.74 U	1.3 U
4-Bromophenyl phenyl ether	NS	0.41 U	0.76 U	0.38 U	0.37 U	0.67 U
4-Chloroaniline	0.22	0.41 U	0.76 U	0.38 U	0.37 U	0.67 U
4-Chlorophenyl phenyl ether	NS	0.41 U	0.76 U	0.38 U	0.37 U	0.67 U
4-Nitroaniline	NS	0.57 U	1.1 U	0.53 U	0.52 U	0.93 U
4-Nitrophenol	0.1	0.81 U	1.5 U	0.76 U	0.74 U	1.3 U
7,12-Dimethylbenz(a)anthracene	NS	0.81 U	1.5 U	0.76 U	0.74 U	1.3 U
a,a-Dimethylphenethylamine	NS	4.1 U	7.6 U	3.8 U	3.7 U	6.7 U
Acenaphthene	50	0.41 U	0.76 U	0.38 U	0.37 U	0.8
Acenaphthylene	41	0.54	0.79	0.38 U	0.37 U	0.67 U
Acetophenone	NS	1.6 U	3 U	1.5 U	1.5 U	2.7 U
a-Naphthylamine	NS	1.6 U	3 U	1.5 U	1.5 U	2.7 U
Aniline	0.1	0.81 U	1.5 U	0.76 U	0.74 U	1.3 U
Anthracene	50	1	1.8	0.38 U	0.37 U	2.2
Azobenzene	NS	0.41 U	0.76 U	0.38 U	0.37 U	0.67 U
Benzidine	NS	4.1 U	7.6 U	3.8 U	3.7 U	6.7 U
Benzo(a)anthracene	0.224	3.4	5.6	1.2	0.92	6.9
Benzo(a)pyrene	0.061	3.4	5.9	1.1	0.92	7.1
Benzo(b)fluoranthene	1.1	2.7	5.6	0.98	0.85	7
Benzo(e)pyrene	NS	2	4	0.75	0.64	4.6
Benzo(ghi)perylene	50	2	4.3	0.76	0.63	5
Benzo(k)fluoranthene	1.1	2.6	4.4	0.87	0.72	5.2

Table 2
200 East 135th Street
Bronx, NY
Soil Analytical Results
Semi Volatile Organic Compounds

LOCATION LAB SAMPLE ID SAMPLING DATE UNITS	NY-TAGM RSCG mg/kg	AK-SB-3 (9'-10') L0615863-06 11/1/2006 mg/kg	AK-SB-4 (2'-3') L0615863-07 11/1/2006 mg/kg	AK-SB-4 (9'-10') L0615863-08 11/1/2006 mg/kg	AK-SB-5 (1'-2') L0615863-09 11/1/2006 mg/kg	AK-SB-5 (8'-9') L0615863-10 11/1/2006 mg/kg
Compounds						
Benzoic Acid	2.7	4.1 U	7.6 U	3.8 U	3.7 U	6.7 U
Benzyl Alcohol	NS	0.81 U	1.5 U	0.76 U	0.74 U	1.3 U
Biphenyl	NS	0.41 U	0.76 U	0.38 U	0.37 U	0.67 U
Bis(2-chloroethoxy)methane	NS	0.41 U	0.76 U	0.38 U	0.37 U	0.67 U
Bis(2-chloroethyl)ether	NS	0.41 U	0.76 U	0.38 U	0.37 U	0.67 U
Bis(2-chloroisopropyl)ether	NS	0.41 U	0.76 U	0.38 U	0.37 U	0.67 U
Bis(2-ethylhexyl)phthalate	50	0.81 U	1.5 U	0.76 U	0.74 U	1.3 U
b-Naphthylamine	NS	1.6 U	3 U	1.5 U	1.5 U	2.7 U
Butyl benzyl phthalate	50	0.41 U	0.76 U	0.38 U	0.37 U	0.67 U
Carbazole	NS	0.41 U	0.76 U	0.38 U	0.37 U	0.8
Chlorobenzilate	NS	1.6 U	3 U	1.5 U	1.5 U	2.7 U
Chrysene	0.4	3.1	5.5	1.2	0.88	6.9
Dibenzo(a,h)anthracene	0.014	0.5	1.2	0.38 U	0.37 U	1.3
Dibenzofuran	6.2	0.41 U	0.76 U	0.38 U	0.37 U	0.67 U
Diethyl phthalate	7.1	0.41 U	0.76 U	0.38 U	0.37 U	0.67 U
Dimethoate	NS	1.6 U	3 U	1.5 U	1.5 U	2.7 U
Dimethyl phthalate	2	0.41 U	0.76 U	0.38 U	0.37 U	0.67 U
Di-n-butylphthalate	8.1	0.41 U	0.76 U	0.38 U	0.37 U	0.67 U
Di-n-octylphthalate	50	0.41 U	0.76 U	0.38 U	0.37 U	0.67 U
Ethyl Methanesulfonate	NS	1.2 U	2.3 U	1.1 U	1.1 U	2 U
Fluoranthene	50	6.2	12	2.6	1.9	16
Fluorene	50	0.41 U	0.76 U	0.38 U	0.37 U	0.77
Hexachlorobenzene	0.41	0.41 U	0.76 U	0.38 U	0.37 U	0.67 U
Hexachlorobutadiene	NS	0.81 U	1.5 U	0.76 U	0.74 U	1.3 U
Hexachlorocyclopentadiene	NS	0.81 U	1.5 U	0.76 U	0.74 U	1.3 U
Hexachloroethane	NS	0.41 U	0.76 U	0.38 U	0.37 U	0.67 U
Hexachloropropene	NS	0.81 U	1.5 U	0.76 U	0.74 U	1.3 U
Indeno(1,2,3-cd)pyrene	3.2	2.2	4.6	0.81	0.7	5.2
Isodrin	NS	0.81 U	1.5 U	0.76 U	0.74 U	1.3 U
Isophorone	4.4	0.41 U	0.76 U	0.38 U	1.4	0.67 U
Methyl methanesulfonate	NS	1.6 U	3 U	1.5 U	1.5 U	2.7 U
Naphthalene	13	0.41 U	0.76 U	0.38 U	0.37 U	0.7
NDPA/DPA	NS	1.2 U	2.3 U	1.1 U	1.1 U	2 U
Nitrobenzene	0.2	0.41 U	0.76 U	0.38 U	0.37 U	0.67 U
Nitrosodi-n-butylamine	NS	0.81 U	1.5 U	0.76 U	0.74 U	1.3 U
Nitrosodipiperidine	NS	1.6 U	3 U	1.5 U	1.5 U	2.7 U
n-Nitrosodimethylamine	NS	4.1 U	7.6 U	3.8 U	3.7 U	6.7 U
n-Nitrosodi-n-propylamine	NS	0.41 U	0.76 U	0.38 U	0.37 U	0.67 U
p-Chloro-m-cresol	NS	0.41 U	0.76 U	0.38 U	0.37 U	0.67 U
p-Dimethylaminoazobenzene	NS	0.81 U	1.5 U	0.76 U	0.74 U	1.3 U
Pentachlorobenzene	NS	1.6 U	3 U	1.5 U	1.5 U	2.7 U
Pentachloronitrobenzene	NS	0.81 U	1.5 U	0.76 U	0.74 U	1.3 U
Pentachlorophenol	1	1.6 U	3 U	1.5 U	1.5 U	2.7 U
Perylene	NS	0.86	1.5	0.38 U	0.37 U	1.8
Phenacetin	NS	0.81 U	1.5 U	0.76 U	0.74 U	1.3 U
Phenanthrene	50	2.7	5.7	1.2	1.2	7.8
Phenol	0.03	0.57 U	1.1 U	0.53 U	0.52 U	0.93 U
Pronamide	NS	1.6 U	3 U	1.5 U	1.5 U	2.7 U
Pyrene	50	5.4	11	2.4	1.6	13
Pyridine	NS	4.1 U	7.6 U	3.8 U	3.7 U	6.7 U

Table 3
200 East 135th Street
Bronx, NY
Soil Analytical Results
Polycyclic Aromatic Hydrocarbons

LOCATION LAB SAMPLE ID SAMPLING DATE UNITS	NY-TAGM RSCO mg/kg	AK-SB-1 (1'-2') L0615863-01 11/1/2006 mg/kg	AK-SB-1 (6'-7') L0615863-02 11/1/2006 mg/kg	AK-SB-2 (1'-2') L0615863-03 11/1/2006 mg/kg	AK-SB-2 (9'-10') L0615863-04 11/1/2006 mg/kg	AK-SB-3 (2'-3') L0615863-05 11/1/2006 mg/kg
Compounds						
1-Methylnaphthalene	NS	0.39 U	4.1	0.073 U	0.3 U	0.3 U
1-Methylphenanthrene	NS	1.4	8	0.34	1.3	1.8
2,6-Dimethylnaphthalene	NS	0.39 U	2.2	0.073 U	0.3 U	0.3 U
2-Chloronaphthalene	NS	0.39 U	0.59 U	0.073 U	0.3 U	0.3 U
2-Methylnaphthalene	36.4	0.39 U	4.7	0.076	0.3 U	0.38
Acenaphthene	50	2	4.2	0.28	0.49	1.3
Acenaphthylene	41	0.76	0.73	0.14	0.3 U	1.7
Anthracene	50	4.8	16	0.87	2.6	5.3
Benzo(a)anthracene	0.224	15	28	3.5	11	15
Benzo(a)pyrene	0.061	9.3	12	3.2	6.4	16
Benzo(b)fluoranthene	1.1	12	16	2.3	9.5	16
Benzo(e)Pyrene	NS	9.4	11	1.3	6.3	8.7
Benzo(ghi)perylene	50	7.2	6.9	0.89	5.2	7.8
Benzo(k)fluoranthene	1.1	11	15	2.2	8.3	12
Biphenyl	NS	0.39 U	0.9	0.073 U	0.3 U	0.3 U
Chrysene	0.4	12	24	2.4	9.7	11
Dibenzo(a,h)anthracene	0.014	1.7	2.3	0.29	1.2	1.9
Fluoranthene	50	27	46	4.9	20	36
Fluorene	50	2.1	7.9	0.24	0.61	1.4
Hexachlorobenzene	0.41	1.6 U	2.3 U	0.29 U	1.2 U	1.2 U
Hexachlorobutadiene	NS	0.97 U	1.5 U	0.18 U	0.75 U	0.74 U
Hexachloroethane	NS	1.6 U	2.3 U	0.29 U	1.2 U	1.2 U
Indeno(1,2,3-cd)Pyrene	3.2	6.2	6.4	1	4.4	6.8
Naphthalene	13	0.67	5.8	0.11	0.44	0.85
Pentachlorophenol	1	1.6 U	2.3 U	0.29 U	1.2 U	1.2 U
Perylene	NS	2.6	2.9	0.51	1.9	2.6
Phenanthrene	50	15	50	2.9	10	13
Pyrene	50	22	40	5	17	31

Table 3
200 East 135th Street
Bronx, NY
Soil Analytical Results
Polycyclic Aromatic Hydrocarbons

LOCATION LAB SAMPLE ID SAMPLING DATE UNITS	NY-TAGM RSCO mg/kg	AK-SB-3 (9'-10') L0615863-06 11/1/2006 mg/kg	AK-SB-4 (2'-3') L0615863-07 11/1/2006 mg/kg	AK-SB-4 (9'-10') L0615863-08 11/1/2006 mg/kg	AK-SB-5 (1'-2') L0615863-09 11/1/2006 mg/kg	AK-SB-5 (8'-9') L0615863-10 11/1/2006 mg/kg
Compounds						
1-Methylnaphthalene	NS	0.032 U	0.3 U	0.076 U	0.074 U	0.3
1-Methylphenanthrene	NS	0.42	0.72	0.23	0.16	0.8
2,6-Dimethylnaphthalene	NS	0.032 U	0.3 U	0.076 U	0.074 U	0.15
2-Chloronaphthalene	NS	0.032 U	0.3 U	0.076 U	0.074 U	0.13 U
2-Methylnaphthalene	36.4	0.038	0.3 U	0.076 U	0.074 U	0.48
Acenaphthene	50	0.067	0.73	0.082	0.14	0.95
Acenaphthylene	41	0.46	0.66	0.12	0.16	0.48
Anthracene	50	1.3	2.1	0.39	0.49	3.1
Benzo(a)anthracene	0.224	4.2	8.6	1.6	1.4	10
Benzo(a)pyrene	0.061	5.3	5.9	1.8	1.7	10
Benzo(b)fluoranthene	1.1	4.2	7.9	1.5	1.4	9.8
Benzo(e)Pyrene	NS	2	5.9	0.96	0.72	5.9
Benzo(ghi)perylene	50	1.4	5.5	0.84	0.51	5.3
Benzo(k)fluoranthene	1.1	2.4	7.5	1.5	0.98	8.3
Biphenyl	NS	0.032 U	0.3 U	0.076 U	0.074 U	0.13 U
Chrysene	0.4	3.7	7.4	1.4	1	7.9
Dibenzo(a,h)anthracene	0.014	0.49	1.3	0.13	0.17	1.2
Fluoranthene	50	6	14	4.4	2.3	22
Fluorene	50	0.17	0.69	0.085	0.14	0.85
Hexachlorobenzene	0.41	0.13 U	1.2 U	0.3 U	0.3 U	0.53 U
Hexachlorobutadiene	NS	0.081 U	0.76 U	0.19 U	0.18 U	0.33 U
Hexachloroethane	NS	0.13 U	1.2 U	0.3 U	0.3 U	0.53 U
Indeno(1,2,3-cd)Pyrene	3.2	1.6	4.7	0.64	0.6	4.4
Naphthalene	13	0.15	0.3 U	0.076 U	0.074 U	0.82
Pentachlorophenol	1	0.13 U	1.2 U	0.3 U	0.3 U	0.53 U
Perylene	NS	0.77	1.8	0.38	0.29	1.9
Phenanthrene	50	2.7	6.4	1.4	1.4	7.7
Pyrene	50	5.7	12	4.1	2.1	20

Table 4
200 East 135th Street
Bronx, NY
Soil Analytical Results
Polychlorinated Biphenyls and Pesticides

Polychlorinated Biphenyls

LOCATION LAB SAMPLE ID SAMPLING DATE UNITS	NY-TAGM RSCO mg/kg	AK-SB-1 (1'-2') L0615863-01 11/1/2006 mg/kg	AK-SB-1 (6'-7') L0615863-02 11/1/2006 mg/kg	AK-SB-2 (1'-2') L0615863-03 11/1/2006 mg/kg	AK-SB-2 (9'-10') L0615863-04 11/1/2006 mg/kg	AK-SB-3 (2'-3') L0615863-05 11/1/2006 mg/kg
Compounds						
Total PCBs	10¹	0.159	0.0366 U	0.0366 U	0.125	0.814

Pesticides

LOCATION LAB SAMPLE ID SAMPLING DATE UNITS	NY-TAGM RSCO mg/kg	AK-SB-1 (1'-2') L0615863-01 11/1/2006 mg/kg	AK-SB-1 (6'-7') L0615863-02 11/1/2006 mg/kg	AK-SB-2 (1'-2') L0615863-03 11/1/2006 mg/kg	AK-SB-2 (9'-10') L0615863-04 11/1/2006 mg/kg	AK-SB-3 (2'-3') L0615863-05 11/1/2006 mg/kg
Compounds						
4,4'-DDD	2.9	0.231	0.0183 U	0.0366 U	0.0242	0.148 U
4,4'-DDE	2.1	0.0775 U	0.0183 U	0.0366 U	0.0198	0.148 U
4,4'-DDT	2.1	0.0775 U	0.0183 U	0.0366 U	0.213	0.171
Aldrin	0.041	0.0775 U	0.0183 U	0.0366 U	0.0187 U	0.148 U
Alpha-BHC	0.11	0.0775 U	0.0183 U	0.0366 U	0.0187 U	0.148 U
Beta-BHC	0.2	0.0775 U	0.0183 U	0.0366 U	0.0187 U	0.148 U
Chlordane	0.54	0.31 U	0.0733 U	0.146 U	0.0749 U	0.592 U
cis-Chlordane	NS	0.0775 U	0.0183 U	0.0366 U	0.0187 U	0.148 U
Delta-BHC	0.3	0.0775 U	0.0183 U	0.0366 U	0.0187 U	0.148 U
Dieldrin	0.044	0.0775 U	0.0183 U	0.0366 U	0.0187 U	0.148 U
Endosulfan I	0.9	0.0775 U	0.0183 U	0.0366 U	0.0187 U	0.148 U
Endosulfan II	0.9	0.0775 U	0.0183 U	0.0366 U	0.0187 U	0.148 U
Endosulfan sulfate	NS	0.0775 U	0.0183 U	0.0366 U	0.0187 U	0.148 U
Endrin	0.1	0.0775 U	0.0183 U	0.0366 U	0.0187 U	0.148 U
Endrin aldehyde	NS	0.0775 U	0.0183 U	0.0366 U	0.0187 U	0.148 U
Endrin ketone	NS	0.0775 U	0.0183 U	0.0366 U	0.0187 U	0.148 U
Heptachlor	0.1	0.0775 U	0.0183 U	0.0366 U	0.0187 U	0.148 U
Heptachlor epoxide	0.02	0.0775 U	0.0183 U	0.0366 U	0.0187 U	0.148 U
Lindane	0.06	0.0775 U	0.0183 U	0.0366 U	0.0187 U	0.148 U
Methoxychlor	NS	0.31 U	0.0733 U	0.146 U	0.0749 U	0.592 U
Toxaphene	NS	0.31 U	0.0733 U	0.146 U	0.0749 U	0.592 U
trans-Chlordane	NS	0.0775 U	0.0183 U	0.0366 U	0.0187 U	0.148 U

Table 4
200 East 135th Street
Bronx, NY

Soil Analytical Results
Polychlorinated Biphenyls and Pesticides

Polychlorinated Biphenyls

LOCATION LAB SAMPLE ID SAMPLING DATE UNITS	NY-TAGM RSCO mg/kg	AK-SB-3 (9'-10') L0615863-06 11/1/2006 mg/kg	AK-SB-4 (2'-3') L0615863-07 11/1/2006 mg/kg	AK-SB-4 (9'-10') L0615863-08 11/1/2006 mg/kg	AK-SB-5 (1'-2') L0615863-09 11/1/2006 mg/kg	AK-SB-5 (8'-9') L0615863-10 11/1/2006 mg/kg
Compounds						
Total PCBs	10¹	0.0406 U	0.176	0.0379 U	0.037 U	0.118

Pesticides

LOCATION LAB SAMPLE ID SAMPLING DATE UNITS	NY-TAGM RSCO mg/kg	AK-SB-3 (9'-10') L0615863-06 11/1/2006 mg/kg	AK-SB-4 (2'-3') L0615863-07 11/1/2006 mg/kg	AK-SB-4 (9'-10') L0615863-08 11/1/2006 mg/kg	AK-SB-5 (1'-2') L0615863-09 11/1/2006 mg/kg	AK-SB-5 (8'-9') L0615863-10 11/1/2006 mg/kg
Compounds						
4,4'-DDD	2.9	0.0203 U	0.152 U	0.0189 U	0.037 U	0.148 U
4,4'-DDE	2.1	0.0203 U	0.152 U	0.0189 U	0.037 U	0.148 U
4,4'-DDT	2.1	0.0203 U	0.152 U	0.0189 U	0.037 U	0.148 U
Aldrin	0.041	0.0203 U	0.152 U	0.0189 U	0.037 U	0.148 U
Alpha-BHC	0.11	0.0203 U	0.152 U	0.0189 U	0.037 U	0.148 U
Beta-BHC	0.2	0.0203 U	0.152 U	0.0189 U	0.037 U	0.148 U
Chlordane	0.54	0.0813 U	0.606 U	0.0758 U	0.148 U	0.592 U
cis-Chlordane	NS	0.0203 U	0.152 U	0.0189 U	0.037 U	0.148 U
Delta-BHC	0.3	0.0203 U	0.152 U	0.0189 U	0.037 U	0.148 U
Dieldrin	0.044	0.0203 U	0.152 U	0.0189 U	0.037 U	0.148 U
Endosulfan I	0.9	0.0203 U	0.152 U	0.0189 U	0.037 U	0.148 U
Endosulfan II	0.9	0.0203 U	0.152 U	0.0189 U	0.037 U	0.148 U
Endosulfan sulfate	NS	0.0203 U	0.152 U	0.0189 U	0.037 U	0.148 U
Endrin	0.1	0.0203 U	0.152 U	0.0189 U	0.037 U	0.148 U
Endrin aldehyde	NS	0.0203 U	0.152 U	0.0189 U	0.037 U	0.148 U
Endrin ketone	NS	0.0203 U	0.152 U	0.0189 U	0.037 U	0.148 U
Heptachlor	0.1	0.0203 U	0.152 U	0.0189 U	0.037 U	0.148 U
Heptachlor epoxide	0.02	0.0203 U	0.152 U	0.0189 U	0.037 U	0.148 U
Lindane	0.06	0.0203 U	0.152 U	0.0189 U	0.037 U	0.148 U
Methoxychlor	NS	0.0813 U	0.606 U	0.0758 U	0.148 U	0.592 U
Toxaphene	NS	0.0813 U	0.606 U	0.0758 U	0.148 U	0.592 U
trans-Chlordane	NS	0.0203 U	0.152 U	0.0189 U	0.037 U	0.148 U

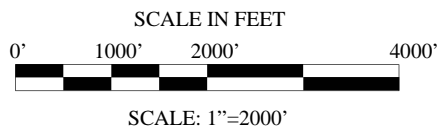
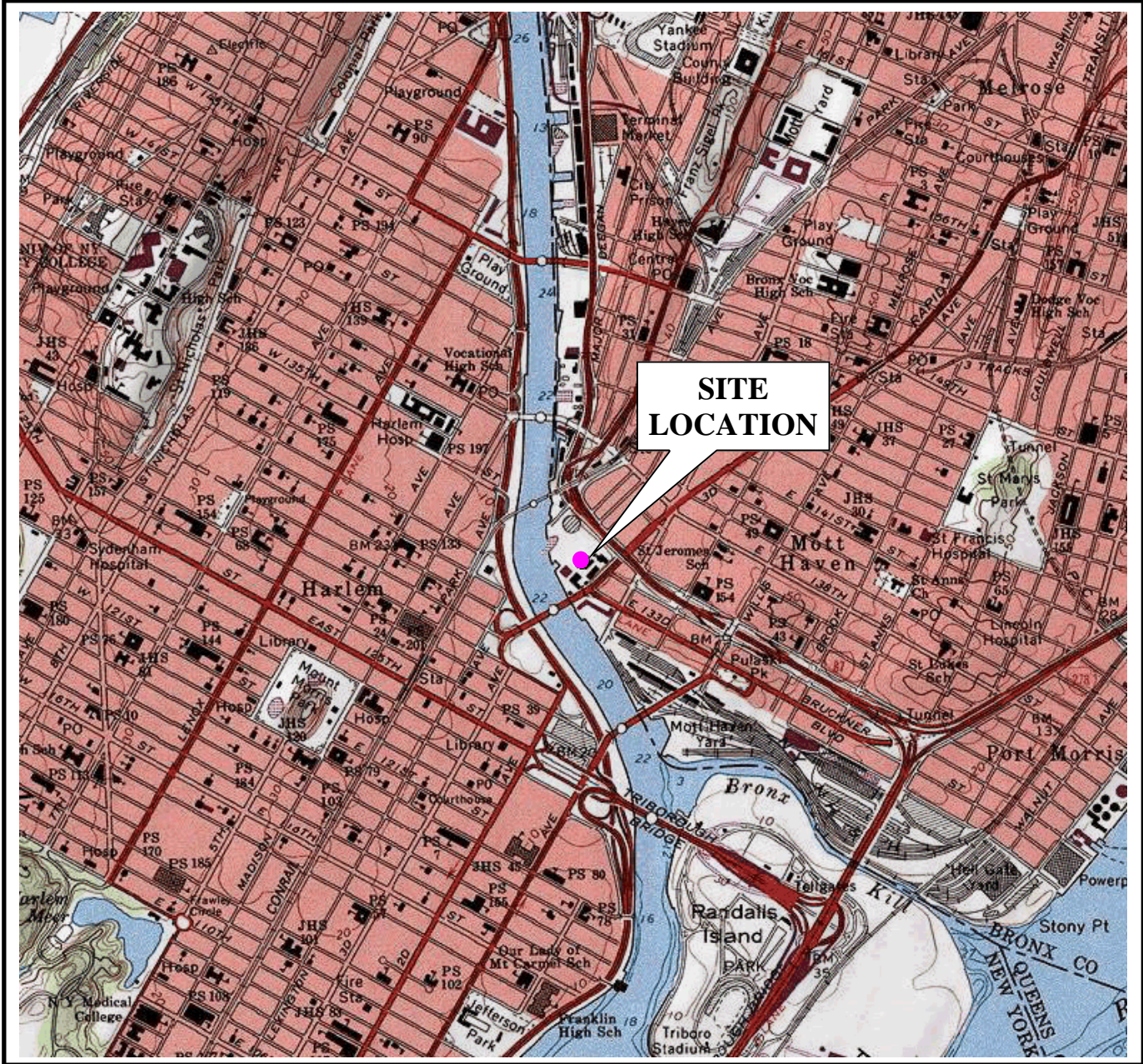
Table 5
200 East 135th Street
Bronx, NY
Soil Analytical Results
Metals

LOCATION LAB SAMPLE ID SAMPLING DATE UNITS	NY-TAGM RSCO mg/kg	Eastern US Background Levels* mg/kg	AK-SB-1 (1'-2') L0615863-01 11/1/2006 mg/kg	AK-SB-1 (6'-7') L0615863-02 11/1/2006 mg/kg	AK-SB-2 (1'-2') L0615863-03 11/1/2006 mg/kg	AK-SB-2 (9'-10') L0615863-04 11/1/2006 mg/kg	AK-SB-3 (2'-3') L0615863-05 11/1/2006 mg/kg
Compounds							
Aluminum, Total	NS	33,000	4800	4500	3800	5400	4800
Antimony, Total	NS	NA	3.8	2.2 U	2.2 U	2.7	2.2 U
Arsenic, Total	7.5	3 - 12	4.6	1.4	4.1	5.2	4.7
Barium, Total	300	15 - 600	58	73	41	330	96
Beryllium, Total	0.16	0 - 1.75	0.23 U	0.22 U	0.22 U	2.2 U	0.22 U
Cadmium, Total	1	0.1 - 1	0.98	0.44 U	0.43 U	0.85	0.71
Calcium, Total	NS	130 - 35,000	39000	49000	20000	49000	41000
Chromium, Total	10	1.5 - 40	13	9.3	7.7	25	13
Cobalt, Total	30	2.5 - 60	5.8	4.9	4.1	5.2	4.9
Copper, Total	25	1 - 50	160	17	91	140	81
Iron, Total	2000	2,000 - 550,000	20000	8700	11000	10000	14000
Lead, Total	NS	200 - 500	320	61	74	320	220
Magnesium, Total	NS	100 - 5,000	10000	26000	5700	8600	16000
Manganese, Total	NS	50 - 5,000	180	180	210	150	190
Mercury, Total	0.1	0.001 - 0.2	0.45	0.082 U	0.3	0.088 U	0.43
Nickel, Total	13	0.5 - 25	15	7.8	10	14	12
Potassium, Total	NS	8,500 - 43,000	1100	1700	770	1600	1200
Selenium, Total	2	0.1 - 3.9	0.92 U	0.87 U	0.86 U	0.89 U	0.87 U
Silver, Total	NS	NA	0.46 U	0.44 U	0.43 U	0.45 U	0.44 U
Sodium, Total	NS	6,000 - 8,000	230	87 U	86 U	240	150
Thallium, Total	NS	NA	0.46 U	0.44 U	0.43 U	0.45 U	0.44 U
Vanadium, Total	150	1 - 300	30	15	12	25	27
Zinc, Total	20	9 - 50	360	52	110	690	320

Table 5
200 East 135th Street
Bronx, NY
Soil Analytical Results
Metals

LOCATION LAB SAMPLE ID SAMPLING DATE UNITS	NY-TAGM RSCO mg/kg	Eastern US Background Levels* mg/kg	AK-SB-3 (9'-10') L0615863-06 11/1/2006 mg/kg	AK-SB-4 (2'-3') L0615863-07 11/1/2006 mg/kg	AK-SB-4 (9'-10') L0615863-08 11/1/2006 mg/kg	AK-SB-5 (1'-2') L0615863-09 11/1/2006 mg/kg	AK-SB-5 (8'-9') L0615863-10 11/1/2006 mg/kg
Compounds							
Aluminum, Total	NS	33,000	3500	4800	6200	7200	5700
Antimony, Total	NS	NA	2.4 U	2.3 U	2.6	2.2 U	2.2 U
Arsenic, Total	7.5	3 - 12	11	4.3	5.2	3.7	3.4
Barium, Total	300	15 - 600	32	68	58	110	110
Beryllium, Total	0.16	0 - 1.75	0.67	0.23 U	0.22 U	2.2 U	0.22 U
Cadmium, Total	1	0.1 - 1	1.3	0.68	0.45 U	0.54	0.6
Calcium, Total	NS	130 - 35,000	6200	31000	8900	40000	32000
Chromium, Total	10	1.5 - 40	10	16	11	180	16
Cobalt, Total	30	2.5 - 60	20	4.8	5.7	6.4	4.6
Copper, Total	25	1 - 50	54	97	160	70	97
Iron, Total	2000	2,000 - 550,000	74000	12000	12000	16000	13000
Lead, Total	NS	200 - 500	86	320	200	170	190
Magnesium, Total	NS	100 - 5,000	450	5700	2100	14000	13000
Manganese, Total	NS	50 - 5,000	1300	180	310	210	140
Mercury, Total	0.1	0.001 - 0.2	0.2	0.5	2	0.24	0.24
Nickel, Total	13	0.5 - 25	26	12	20	20	10
Potassium, Total	NS	8,500 - 43,000	150	1200	540	2300	2200
Selenium, Total	2	0.1 - 3.9	0.97 U	0.91 U	0.9 U	0.88 U	0.89 U
Silver, Total	NS	NA	0.48 U	0.45 U	0.83	0.44 U	0.44 U
Sodium, Total	NS	6,000 - 8,000	170	120	90 U	250	180
Thallium, Total	NS	NA	0.48 U	0.45 U	0.45 U	0.44 U	0.44 U
Vanadium, Total	150	1 - 300	37	31	16	35	25
Zinc, Total	20	9 - 50	1600	330	180	150	220

FIGURES



SOURCE:
7.5 MINUTE SERIES USGS TOPOGRAPHIC MAP
QUADRANGLE: CENTRAL PARK, NY 1995

**EAST 135th STREET
BRONX, NEW YORK**

PROJECT SITE LOCATION



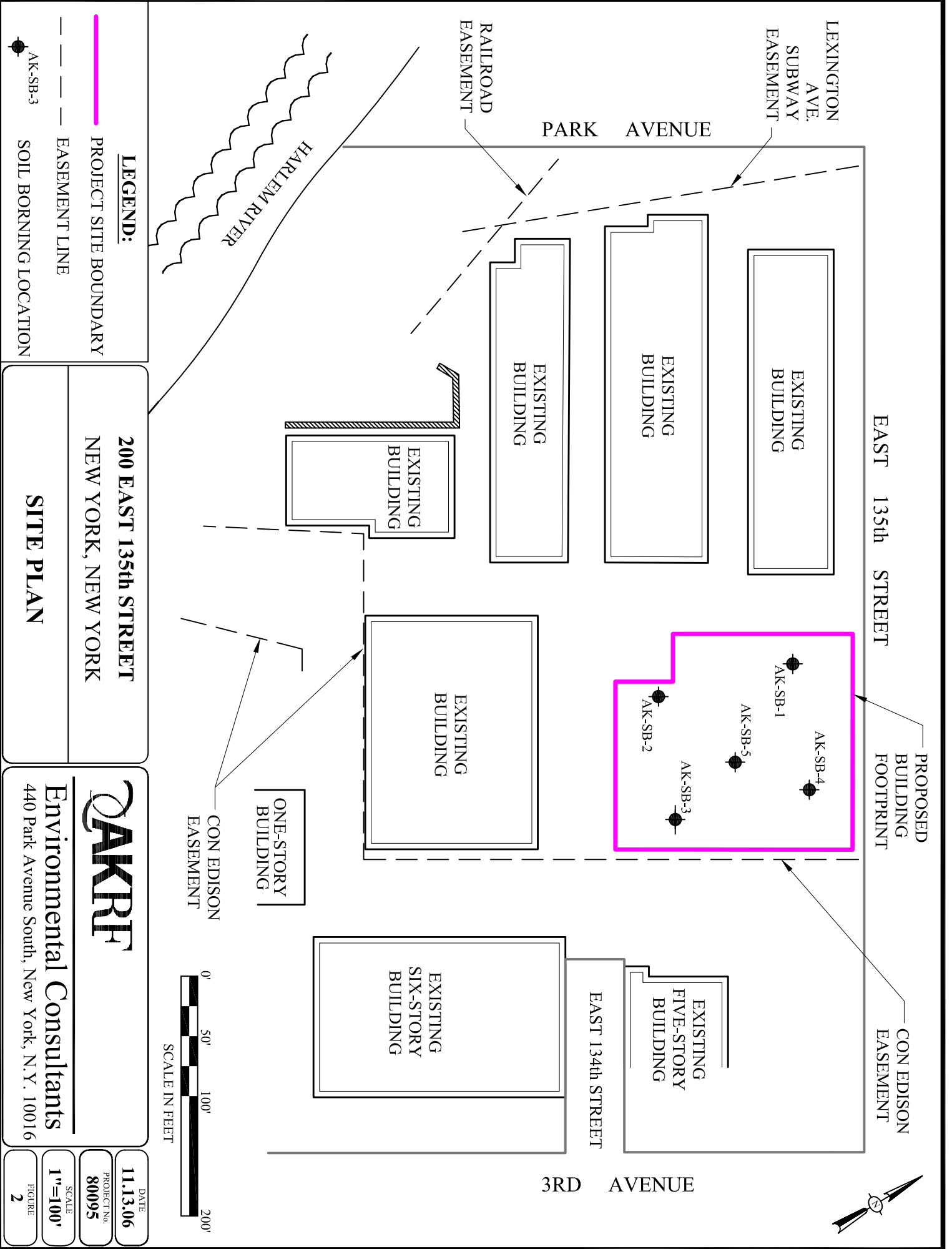
Environmental Consultants
440 Park Avenue South, New York, N.Y. 10016

DATE
11.10.06

PROJECT No.
80095

SCALE
AS SHOWN

FIGURE No.
1



LEGEND:

- PROJECT SITE BOUNDARY
- - - EASEMENT LINE
- AK-SB-3 SOIL BORING LOCATION

**200 EAST 135th STREET
NEW YORK, NEW YORK**

SITE PLAN



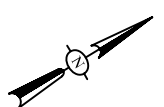
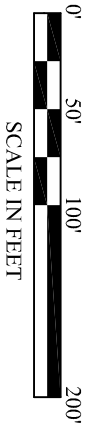
Environmental Consultants
440 Park Avenue South, New York, N.Y. 10016

DATE
11.13.06

PROJECT No.
80095

SCALE
1"=100'

FIGURE
2



APPENDIX A
SOIL BORING LOGS

AKRF, Inc.		Storage Deluxe - 200 East 135th Street, Bronx, NY.		Boring No. AK-SB-1		
Environmental Consultants 440 Park Avenue South, 7th Floor New York, NY 10016		Drilling Method: Direct Push Sampling Method: 5-foot long Macro Core Driller : Zebra Weather: 75F, Clear Sampler: AKRF/Steve Grens		Sheet 1 of 1		
				Drilling		
				Start		Finish
				Time: 08:20		Time: 09:00
		Date: 11/1/06		Date: 11/1/06		
Depth (feet)	Recovery (Inches)	Surface Condition: Soil	Soil Head Space PID Reading (ppm)	Odor	Moisture	Soil Samples Collected for Lab Analyses
1	60"	Top 33": Dark brown fine SAND and SILT, trace fine Gravel, Brick, Wood (FILL). Bottom 27": Light brown fine to medium SAND, trace fine Gravel, Silt. (FILL)	ND	No Odor	Dry	AK-SB-1 (1'-2')
2			ND	No Odor	Dry	
3			ND	No Odor	Dry	
4			ND	No Odor	Dry	
5			ND	No Odor	Dry	
6	60"	Top 2": Light brown fine to medium SAND, trace fine Micaceous Gravel, Silt. (FILL) Middle 14": Light brown fine SAND and BRICK, trace fine Gravel, Silt. Middle 6": Fine GRAVEL (FILL). Middle 8": Gray fine SAND and SILT, trace fine Gravel. (FILL) Middle 24": Fine GRAVEL (FILL). Bottom 6": Gray fine SAND and SILT, some fine Gravel. (FILL)	ND	No Odor	Dry	AK-SB-1 (6'-7')
7			ND	No Odor	Dry	
8			ND	No Odor	Dry	
9			ND	No Odor	Dry	
10			ND	No Odor	Dry	
11		End of boring at 10 feet below grade.				
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Notes: PID - Photoionization detector ND - Not Detected
 Soil samples were analyzed for VOCs (Method 8260), SVOCs (Method 8270), PCBs (Method 8081), Pesticides (Method 8082) and TAL Metals.
 Groundwater was not encountered.

AKRF, Inc.		Storage Deluxe - 200 East 135th Street, Bronx, NY.			Boring No. AK-SB-2		
Environmental Consultants 440 Park Avenue South, 7th Floor New York, NY 10016		Drilling Method: Direct Push Sampling Method: 5-foot long Macro Core Driller : Zebra Weather: 75F, Clear Sampler: AKRF/Steve Grens			Sheet 1 of 1		
					Drilling		
					Start		Finish
					Time: 09:20		Time: 09:50
		Date: 11/1/06		Date: 11/1/06			
Depth (feet)	Recovery (Inches)	Surface Condition: Soil	Soil Head Space PID Reading (ppm)	Odor	Moisture	Soil Samples Collected for Lab Analyses	
1	56"	Top 36": Dark brown fine SAND and SILT, some Brick, Tile, trace fine Gravel. (FILL)	ND	No Odor	Dry	AK-SB-2 (1'-2')	
2		Middle 2": BRICK (FILL).	ND	No Odor	Dry		
3		Middle 17": Dark brown fine SAND and SILT, trace Concrete, Brick, Tile, Glass, trace fine Gravel. (FILL)	ND	No Odor	Dry		
4		Bottom 1": PLASTIC and GLASS (FILL).	ND	No Odor	Dry		
5			ND	No Odor	Dry		
6	42"	Top 10": Dark brown fine SAND and SILT, trace Brick (FILL).	ND	No Odor	Dry	AK-SB-2 (9'-10')	
7		Middle 11": BRICK (FILL).	ND	No Odor	Dry		
8		Middle 2": GRAVEL. (FILL)	ND	No Odor	Dry		
9		Bottom 19": GRAVEL, some brown fine Sand, Silt, Brick (FILL).	ND	No Odor	Dry		
10			ND	No Odor	Dry		
11		End of boring at 10 feet below grade.					
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28							

Notes: PID - Photoionization detector ND - Not Detected
 Soil samples were analyzed for VOCs (Method 8260), SVOCs (Method 8270), PCBs (Method 8081), Pesticides (Method 8082) and TAL Metals.
 Groundwater was not encountered.

AKRF, Inc.		Storage Deluxe - 200 East 135th Street, Bronx, NY.			Boring No. AK-SB-3		
Environmental Consultants 440 Park Avenue South, 7th Floor New York, NY 10016		Drilling Method: Direct Push Sampling Method: 5-foot long Macro Core Driller : Zebra Weather: 75F, Clear Sampler: AKRF/Steve Grens			Sheet 1 of 1		
					Drilling		
					Start		Finish
					Time: 10:00		Time: 10:25
		Date: 11/1/06		Date: 11/1/06			
Depth (feet)	Recovery (Inches)	Surface Condition: Soil	Soil Head Space PID Reading (ppm)	Odor	Moisture	Soil Samples Collected for Lab Analyses	
1	43"	Top 13": Dark brown fine SAND and SILT, trace Coal Slag, Brick, fine Gravel (FILL).	ND	No Odor	Dry	AK-SB-3 (2'-3')	
2		Middle 18": Brown fine SAND and SILT, trace Coal, Cloth, Wood Fragments, fine Gravel (FILL).	ND	No Odor	Dry		
3		Bottom 12": BRICK, COAL SLAG, WOOD FRAGMENTS, some fine Gravel (FILL).	ND	No Odor	Dry		
4			ND	No Odor	Dry		
5			ND	No Odor	Dry		
6	59"	Top 20": Brown fine SAND and SILT, trace Brick (FILL).	ND	No Odor	Dry	AK-SB-3 (9'-10')	
7		Middle 2": ASH (FILL).	ND	No Odor	Dry		
8		Middle 12": COAL, COAL SLAG, (FILL).	ND	No Odor	Dry		
9		Middle 22": Brown fine SAND and SILT, some Coal Slag (FILL).	2.1	No Odor	Dry		
10		Bottom 3": COAL, some dark brown fine Sand, Silt. (FILL)	6.4	No Odor	Petroleum-like		
11	52"	Top 21": Dark brown fine SAND and SILT, trace Coal Slag, Brick (FILL).	1.2	No Odor	Dry		
12		Middle 19": COAL and SILT (FILL).	ND	No Odor	Dry		
13		Bottom 12": Gray fine to medium SAND, trace Silt. (FILL)	ND	No Odor	Dry		
14			ND	No Odor	Wet		
15			ND	No Odor	Wet		
16		End of boring at 15 feet below grade.					
17							
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27							
28							

Notes: PID - Photoionization detector ND - Not Detected
 Soil samples were analyzed for VOCs (Method 8260), SVOCs (Method 8270), PCBs (Method 8081), Pesticides (Method 8082) and TAL Metals.
 Groundwater encountered at approximately 13 feet below grade.

AKRF, Inc.		Storage Deluxe - 200 East 135th Street, Bronx, NY.		Boring No. AK-SB-4		
Environmental Consultants 440 Park Avenue South, 7th Floor New York, NY 10016		Drilling Method: Direct Push Sampling Method: 5-foot long Macro Core Driller : Zebra Weather: 75F, Clear Sampler: AKRF/Steve Grens		Sheet 1 of 1		
				Drilling		
				Start	Finish	
				Time: 10:55	Time: 11:30	
Date: 11/1/06	Date: 11/1/06					
Depth (feet)	Recovery (Inches)	Surface Condition: Soil	Soil Head Space PID Reading (ppm)	Odor	Moisture	Soil Samples Collected for Lab Analyses
1	52"	Top 40": Dark brown fine SAND and SILT, trace Brick, Wood, fine Gravel. (FILL) Middle 3": COAL SLAG (FILL). Bottom 9": BRICK, some brown fine Sand, trace Silt, Wood (FILL).	ND	No Odor	Dry	AK-SB-4 (2'-3')
2			ND	No Odor	Dry	
3			ND	No Odor	Dry	
4			ND	No Odor	Dry	
5			ND	No Odor	Dry	
6	58"	Top 36": BRICK, COAL SLAG, WOOD FRAGMENTS, some brown fine Sand, Silt, trace fine Gravel. (FILL) Bottom 22": Brown fine SAND, SILT, and fine GRAVEL, trace Coal, Coal Slag (FILL).	ND	No Odor	Dry	AK-SB-4 (9'-10')
7			ND	No Odor	Dry	
8			ND	No Odor	Dry	
9			ND	No Odor	Dry	
10			ND	No Odor	Dry	
11		End of boring at 10 feet below grade.				
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Notes: PID - Photoionization detector ND - Not Detected
 Soil samples were analyzed for VOCs (Method 8260), SVOCs (Method 8270), PCBs (Method 8081), Pesticides (Method 8082) and TAL Metals.
 Groundwater was not encountered.

AKRF, Inc.		Storage Deluxe - 200 East 135th Street, Bronx, NY.		Boring No. AK-SB-5		
Environmental Consultants 440 Park Avenue South, 7th Floor New York, NY 10016		Drilling Method: Direct Push Sampling Method: 5-foot long Macro Core Driller : Zebra Weather: 75F, Clear Sampler: AKRF/Steve Grens		Sheet 1 of 1		
				Drilling		
				Start		Finish
				Time: 11:40		Time: 12:10
		Date: 11/1/06		Date: 11/1/06		
Depth (feet)	Recovery (Inches)	Surface Condition: Soil	Soil Head Space PID Reading (ppm)	Odor	Moisture	Soil Samples Collected for Lab Analyses
1	42"	Top 28": Brown fine SAND and SILT, some fine Gravel, trace Brick (FILL). Bottom 14": Fine GRAVEL, some Brick, trace brown fine Sand, Silt. (FILL)	ND	No Odor	Dry	AK-SB-5 (1'-2')
2			ND	No Odor	Dry	
3			ND	No Odor	Dry	
4			ND	No Odor	Dry	
5			ND	No Odor	Dry	
6	48"	Top 36": Brown fine SAND, some Silt, trace Brick, Glass, Coal Slag, Tile (FILL). Middle 1": Fine GRAVEL. (FILL) Bottom 11": Dark brown fine SAND, some Wood Fragments (FILL).	ND	No Odor	Dry	
7			ND	No Odor	Dry	
8			ND	No Odor	Dry	
9			0.7	No Odor	Dry	AK-SB-4 (8'-9')
10			ND	No Odor	Dry	
11		End of boring at 10 feet below grade.				
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Notes: PID - Photoionization detector ND - Not Detected
 Soil samples were analyzed for VOCs (Method 8260), SVOCs (Method 8270), PCBs (Method 8081), Pesticides (Method 8082) and TAL Metals.
 Groundwater was not encountered.

APPENDIX B
LABORATORY ANALYTICAL DATA SHEETS

ALPHA ANALYTICAL LABORATORIES

Eight Walkup Drive
Westborough, Massachusetts 01581-1019
(508) 898-9220 www.alphalab.com

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

CERTIFICATE OF ANALYSIS

Client: AKRF, Inc.

Laboratory Job Number: L0615863

Address: 440 Park Avenue South

New York, NY 10016

Date Received: 02-NOV-2006

Attn: Mr. Axel Schwendt

Date Reported: 09-NOV-2006

Project Number: 80095-0003

Delivery Method: Alpha

Site: STORAGE DELUXE

ALPHA SAMPLE NUMBER	CLIENT IDENTIFICATION	SAMPLE LOCATION
L0615863-01	AK-SB-1 (1'-2')	200 E. 135TH ST BRONX NY
L0615863-02	AK-SB-1 (6'-7')	200 E. 135TH ST BRONX NY
L0615863-03	AK-SB-2 (1'-2')	200 E. 135TH ST BRONX NY
L0615863-04	AK-SB-2 (9'-10')	200 E. 135TH ST BRONX NY
L0615863-05	AK-SB-3 (2'-3')	200 E. 135TH ST BRONX NY
L0615863-06	AK-SB-3 (9'-10')	200 E. 135TH ST BRONX NY
L0615863-07	AK-SB-4 (2'-3')	200 E. 135TH ST BRONX NY
L0615863-08	AK-SB-4 (9'-10')	200 E. 135TH ST BRONX NY
L0615863-09	AK-SB-5 (1'-2')	200 E. 135TH ST BRONX NY
L0615863-10	AK-SB-5 (8'-9')	200 E. 135TH ST BRONX NY
L0615863-11	TRIP BLANK	200 E. 135TH ST BRONX NY

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized by: 
Technical Director

ALPHA ANALYTICAL LABORATORIES
NARRATIVE REPORT

Laboratory Job Number: L0615863

The samples were received in accordance with the chain of custody and no significant deviations were encountered during preparation or analysis unless otherwise noted below.

SemiVolatile Organics

L0615863-01 through -10: The requested limits were not achieved for the following compounds: Nitrobenzene, Aniline, 4-Chloroaniline, 2,4-Dichlorophenol, 2-Nitrophenol, 4-Nitrophenol, 2,4-Dinitrophenol, Phenol, 2-Methylphenol and 2,4,5-Trichlorophenol

The following samples have elevated detection limits due to the dilutions required by the matrix interferences encountered during the extraction, concentration, and/or digestion of the samples:

L0615863-01, -05: 5x

L0615863-07: 2x

L0615863-10: 1.8x

The following samples have elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples:

L0615863-02: 10x

L0615863-04: 5x

The following MS % recoveries are below the acceptance criteria for the method: Hexachloropropene, Pentachlorophenol, Anthracene, Fluoranthene and Pyrene.

The following MSD % recoveries are above the acceptance criteria for the method: Acenaphthene, Fluoranthene, Anthracene and Pyrene.

The following MS/MSD RPDs are above the acceptance criteria for the method: Acenaphthene, 1,2,4-Trichlorobenzene, 2-Chloronaphthalene, Fluoranthene, Anthracene, Pyrene, Hexachloropropene, 2-Chlorophenol, 2-Nitrophenol and Pentachlorophenol.

PAH

L0615863-01 through -10: The requested limits were not achieved for Benzo(b)fluoranthene, Benzo(k)fluoranthene and Chrysene.

The following samples have elevated detection limits due to the dilutions required by the matrix interferences encountered during the extraction, concentration, and/or digestion of the samples:

L0615863-01, -05: 5x

L0615863-07: 2x

L0615863-10: 1.8x

The following samples have elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples:

ALPHA ANALYTICAL LABORATORIES
NARRATIVE REPORT

Laboratory Job Number: L0615863

Continued

L0615863-01: 5x (total dilution 25x)

L0615863-02: 40x

L0615863-03, -08, -09: 5x

L0615863-04: 20x

L0615863-05: 4x (total dilution 20x)

L0615863-06: 2x

L0615863-07: 10x (total dilution 20x)

L0615863-10: 5x (total dilution 9x)

The surrogates were diluted out of L0615863-01 and -02, as well as the MS/MSD.

The MS % recoveries for Pentachlorophenol, Fluoranthene and Pyrene are below the acceptance criteria for the method.

The MSD % recoveries for Fluoranthene, Anthracene and Pyrene are above the acceptance criteria for the method.

The following MS/MSD RPDs are above the acceptance criteria for the method: Acenaphthene, Fluoranthene, Anthracene, Pyrene and Pentachlorophenol.

Pesticides

L0615863-01 through -10: The requested limits were not achieved.

The following samples have elevated detection limits due to the dilutions required by the matrix interferences encountered during the extraction, concentration, and/or digestion of the samples:

L0615863-03, -05, -07, -09, -10: 2x

The following samples have elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples:

L0615863-01: 20x

L0615863-04: 5x

L0615863-05, -07, -10: 20x (total dilutions 40x)

The following samples have elevated detection limits due to analytical dilutions required by the matrix of the samples:

L0615863-02, -06, -08: 5x

L0615863-03, -09: 5x (total dilutions 10x)

ALPHA ANALYTICAL LABORATORIES
NARRATIVE REPORT

Laboratory Job Number: L0615863

Continued

L0615863-04 required re-analysis on a 20x dilution in order to quantitate the sample within the range of the calibration. The result is reported as a greater than value for the compound that exceeded the calibration on the initial analysis. The re-analysis was performed only for the compound which exceeded the range of the calibration.

The surrogates were diluted out of L0615863-01, -03, -05, -07, -09, -10.

L0615863-04, -05, -07, -09, and -10 have target hits for 4,4'-DDT with RPDs between channels that are above the acceptance criteria for the method. Due to an obvious non-target interference, the lower of the two numbers is reported.

An MS/MSD was not analyzed due to the dilution required by the elevated concentration of target compounds present in the sample utilized for the ms/msd.

Metals

L0615863-01, -03, -04, and -07 required 10x dilutions for the analysis of Calcium in order to quantitate the samples within the calibration curve.

L0615863-02, -05, -09, and -10 required 10x dilutions for the analysis of Calcium and Magnesium in order to quantitate the samples within the calibration curve.

L0615863-04 and -09 required 10x dilutions for the analysis of Beryllium due to spectral interferences encountered during analysis.

L0615863-06 required 10x dilutions for the analysis of Iron, Manganese and Zinc in order to quantitate the sample within the calibration curve.

L0615863-08 required a 2x analytical dilution for Mercury in order to quantitate the result within the calibration curve.

The laboratory duplicate RPD for Iron is above the acceptance criteria for the method due to sample non-homogeneity.

The MS % recoveries for the following elements are invalid because the sample concentration is greater than four times the spike amount added: Aluminum, Calcium, Iron, Lead, Magnesium, Manganese and Zinc.

The MS % recoveries for Arsenic, Nickel, Thallium and Vanadium are below the acceptance criteria for the method due to sample matrix.

The MS % recovery for Potassium is above the acceptance criteria for the method due to sample matrix.

Calcium is present in the method blank, however, all associated sample results are greater than 10x the amount detected in the blank.

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0615863-01	Date Collected: 01-NOV-2006 08:40
AK-SB-1 (1'-2')	Date Received : 02-NOV-2006
Sample Matrix: SOIL	Date Reported : 09-NOV-2006
Condition of Sample: Satisfactory	Field Prep: None
Number & Type of Containers: 1-Amber,1-Vial	

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Solids, Total	86	%	0.10	30 2540G		1107 12:01	PD
Total Metals				1 3051			
Aluminum, Total	4800	mg/kg	4.6	1 6010B	1103 18:30	1108 15:05	AI
Antimony, Total	3.8	mg/kg	2.3	1 6010B	1103 18:30	1108 15:05	AI
Arsenic, Total	4.6	mg/kg	0.46	1 6010B	1103 18:30	1108 15:05	AI
Barium, Total	58	mg/kg	0.46	1 6010B	1103 18:30	1108 15:05	AI
Beryllium, Total	ND	mg/kg	0.23	1 6010B	1103 18:30	1108 15:05	AI
Cadmium, Total	0.98	mg/kg	0.46	1 6010B	1103 18:30	1108 15:05	AI
Calcium, Total	39000	mg/kg	46	1 6010B	1103 18:30	1109 10:15	AI
Chromium, Total	13	mg/kg	0.46	1 6010B	1103 18:30	1108 15:05	AI
Cobalt, Total	5.8	mg/kg	0.92	1 6010B	1103 18:30	1108 15:05	AI
Copper, Total	160	mg/kg	0.46	1 6010B	1103 18:30	1108 15:05	AI
Iron, Total	20000	mg/kg	2.3	1 6010B	1103 18:30	1108 15:05	AI
Lead, Total	320	mg/kg	2.3	1 6010B	1103 18:30	1108 15:05	AI
Magnesium, Total	10000	mg/kg	4.6	1 6010B	1103 18:30	1108 15:05	AI
Manganese, Total	180	mg/kg	0.46	1 6010B	1103 18:30	1108 15:05	AI
Mercury, Total	0.45	mg/kg	0.09	1 7471A	1106 16:25	1107 10:20	DM
Nickel, Total	15	mg/kg	1.2	1 6010B	1103 18:30	1108 15:05	AI
Potassium, Total	1100	mg/kg	120	1 6010B	1103 18:30	1108 15:05	AI
Selenium, Total	ND	mg/kg	0.92	1 6010B	1103 18:30	1108 15:05	AI
Silver, Total	ND	mg/kg	0.46	1 6010B	1103 18:30	1108 15:05	AI
Sodium, Total	230	mg/kg	92	1 6010B	1103 18:30	1108 15:05	AI
Thallium, Total	ND	mg/kg	0.46	1 6010B	1103 18:30	1108 15:05	AI
Vanadium, Total	30	mg/kg	0.46	1 6010B	1103 18:30	1108 15:05	AI
Zinc, Total	360	mg/kg	2.3	1 6010B	1103 18:30	1108 15:05	AI
Volatile Organics by GC/MS 8260				1 8260B		1107 17:10	RY
Methylene chloride	ND	ug/kg	29.				
1,1-Dichloroethane	ND	ug/kg	4.4				
Chloroform	ND	ug/kg	4.4				
Carbon tetrachloride	ND	ug/kg	2.9				
1,2-Dichloropropane	ND	ug/kg	10.				
Dibromochloromethane	ND	ug/kg	2.9				
1,1,2-Trichloroethane	ND	ug/kg	4.4				
Tetrachloroethene	ND	ug/kg	2.9				
Chlorobenzene	ND	ug/kg	2.9				
Trichlorofluoromethane	ND	ug/kg	14.				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0615863-01
 AK-SB-1 (1'-2')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by GC/MS 8260 cont'd				1	8260B	1107	17:10 RY
1,2-Dichloroethane	ND	ug/kg	2.9				
1,1,1-Trichloroethane	ND	ug/kg	2.9				
Bromodichloromethane	ND	ug/kg	2.9				
trans-1,3-Dichloropropene	ND	ug/kg	2.9				
cis-1,3-Dichloropropene	ND	ug/kg	2.9				
1,1-Dichloropropene	ND	ug/kg	14.				
Bromoform	ND	ug/kg	12.				
1,1,2,2-Tetrachloroethane	ND	ug/kg	2.9				
Benzene	ND	ug/kg	2.9				
Toluene	ND	ug/kg	4.4				
Ethylbenzene	ND	ug/kg	2.9				
Chloromethane	ND	ug/kg	14.				
Bromomethane	ND	ug/kg	5.8				
Vinyl chloride	ND	ug/kg	5.8				
Chloroethane	ND	ug/kg	5.8				
1,1-Dichloroethene	ND	ug/kg	2.9				
trans-1,2-Dichloroethene	ND	ug/kg	4.4				
Trichloroethene	ND	ug/kg	2.9				
1,2-Dichlorobenzene	ND	ug/kg	14.				
1,3-Dichlorobenzene	ND	ug/kg	14.				
1,4-Dichlorobenzene	ND	ug/kg	14.				
Methyl tert butyl ether	ND	ug/kg	5.8				
p/m-Xylene	ND	ug/kg	5.8				
o-Xylene	ND	ug/kg	5.8				
cis-1,2-Dichloroethene	ND	ug/kg	2.9				
Dibromomethane	ND	ug/kg	29.				
1,4-Dichlorobutane	ND	ug/kg	29.				
Iodomethane	ND	ug/kg	29.				
1,2,3-Trichloropropane	ND	ug/kg	29.				
Styrene	ND	ug/kg	5.8				
Dichlorodifluoromethane	ND	ug/kg	29.				
Acetone	ND	ug/kg	29.				
Carbon disulfide	ND	ug/kg	29.				
2-Butanone	ND	ug/kg	29.				
Vinyl acetate	ND	ug/kg	29.				
4-Methyl-2-pentanone	ND	ug/kg	29.				
2-Hexanone	ND	ug/kg	29.				
Ethyl methacrylate	ND	ug/kg	29.				
Acrolein	ND	ug/kg	73.				
Acrylonitrile	ND	ug/kg	12.				
Bromochloromethane	ND	ug/kg	14.				
Tetrahydrofuran	ND	ug/kg	58.				
2,2-Dichloropropane	ND	ug/kg	14.				
1,2-Dibromoethane	ND	ug/kg	12.				
1,3-Dichloropropane	ND	ug/kg	14.				
1,1,1,2-Tetrachloroethane	ND	ug/kg	2.9				
Bromobenzene	ND	ug/kg	14.				
n-Butylbenzene	ND	ug/kg	2.9				
sec-Butylbenzene	ND	ug/kg	2.9				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0615863-01
 AK-SB-1 (1'-2')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by GC/MS 8260 cont'd				1	8260B	1107	17:10 RY
tert-Butylbenzene	ND	ug/kg	14.				
o-Chlorotoluene	ND	ug/kg	14.				
p-Chlorotoluene	ND	ug/kg	14.				
1,2-Dibromo-3-chloropropane	ND	ug/kg	14.				
Hexachlorobutadiene	ND	ug/kg	14.				
Isopropylbenzene	ND	ug/kg	2.9				
p-Isopropyltoluene	ND	ug/kg	2.9				
Naphthalene	ND	ug/kg	14.				
n-Propylbenzene	ND	ug/kg	2.9				
1,2,3-Trichlorobenzene	ND	ug/kg	14.				
1,2,4-Trichlorobenzene	ND	ug/kg	14.				
1,3,5-Trimethylbenzene	ND	ug/kg	14.				
1,2,4-Trimethylbenzene	ND	ug/kg	14.				
trans-1,4-Dichloro-2-butene	ND	ug/kg	14.				
Ethyl ether	ND	ug/kg	14.				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	108	%	70-130				
Toluene-d8	98.0	%	70-130				
4-Bromofluorobenzene	123	%	70-130				
Dibromofluoromethane	101	%	70-130				
SVOC's by GC/MS 8270				1	8270C	1103	20:35 1106 16:01 RL
Acenaphthene	ND	ug/kg	1900				
Benzidine	ND	ug/kg	19000				
1,2,4-Trichlorobenzene	ND	ug/kg	1900				
Hexachlorobenzene	ND	ug/kg	1900				
Bis(2-chloroethyl)ether	ND	ug/kg	1900				
1-Chloronaphthalene	ND	ug/kg	1900				
2-Chloronaphthalene	ND	ug/kg	2300				
1,2-Dichlorobenzene	ND	ug/kg	1900				
1,3-Dichlorobenzene	ND	ug/kg	1900				
1,4-Dichlorobenzene	ND	ug/kg	1900				
3,3'-Dichlorobenzidine	ND	ug/kg	3900				
2,4-Dinitrotoluene	ND	ug/kg	1900				
2,6-Dinitrotoluene	ND	ug/kg	1900				
Azobenzene	ND	ug/kg	1900				
Fluoranthene	21000	ug/kg	1900				
4-Chlorophenyl phenyl ether	ND	ug/kg	1900				
4-Bromophenyl phenyl ether	ND	ug/kg	1900				
Bis(2-chloroisopropyl)ether	ND	ug/kg	1900				
Bis(2-chloroethoxy)methane	ND	ug/kg	1900				
Hexachlorobutadiene	ND	ug/kg	3900				
Hexachlorocyclopentadiene	ND	ug/kg	3900				
Hexachloroethane	ND	ug/kg	1900				
Isophorone	ND	ug/kg	1900				
Naphthalene	ND	ug/kg	1900				
Nitrobenzene	ND	ug/kg	1900				
NDPA/DPA	ND	ug/kg	5800				

Comments: Complete list of References and Glossary of Terms found in Addendum I

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

Laboratory Sample Number: L0615863-01
AK-SB-1 (1'-2')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
SVOC's by GC/MS 8270 cont'd				1 8270C	1103 20:35	1106 16:01	RL
n-Nitrosodi-n-propylamine	ND	ug/kg	1900				
Bis(2-ethylhexyl)phthalate	ND	ug/kg	3900				
Butyl benzyl phthalate	ND	ug/kg	1900				
Di-n-butylphthalate	ND	ug/kg	1900				
Di-n-octylphthalate	ND	ug/kg	1900				
Diethyl phthalate	ND	ug/kg	1900				
Dimethyl phthalate	ND	ug/kg	1900				
Benzo(a)anthracene	9500	ug/kg	1900				
Benzo(a)pyrene	9400	ug/kg	1900				
Benzo(b)fluoranthene	7800	ug/kg	1900				
Benzo(k)fluoranthene	8300	ug/kg	1900				
Chrysene	9200	ug/kg	1900				
Acenaphthylene	ND	ug/kg	1900				
Anthracene	3700	ug/kg	1900				
Benzo(ghi)perylene	6400	ug/kg	1900				
Fluorene	ND	ug/kg	1900				
Phenanthrene	13000	ug/kg	1900				
Dibenzo(a,h)anthracene	ND	ug/kg	1900				
Indeno(1,2,3-cd)pyrene	6900	ug/kg	1900				
Pyrene	18000	ug/kg	1900				
Benzo(e)pyrene	6200	ug/kg	1900				
Biphenyl	ND	ug/kg	1900				
Perylene	2500	ug/kg	1900				
Aniline	ND	ug/kg	3900				
4-Chloroaniline	ND	ug/kg	1900				
1-Methylnaphthalene	ND	ug/kg	1900				
2-Nitroaniline	ND	ug/kg	1900				
3-Nitroaniline	ND	ug/kg	1900				
4-Nitroaniline	ND	ug/kg	2700				
Dibenzofuran	ND	ug/kg	1900				
a,a-Dimethylphenethylamine	ND	ug/kg	19000				
Hexachloropropene	ND	ug/kg	3900				
Nitrosodi-n-butylamine	ND	ug/kg	3900				
2-Methylnaphthalene	ND	ug/kg	1900				
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	7800				
Pentachlorobenzene	ND	ug/kg	7800				
a-Naphthylamine	ND	ug/kg	7800				
b-Naphthylamine	ND	ug/kg	7800				
Phenacetin	ND	ug/kg	3900				
Dimethoate	ND	ug/kg	7800				
4-Aminobiphenyl	ND	ug/kg	3900				
Pentachloronitrobenzene	ND	ug/kg	3900				
Isodrin	ND	ug/kg	3900				
p-Dimethylaminoazobenzene	ND	ug/kg	3900				
Chlorobenzilate	ND	ug/kg	7800				
3-Methylcholanthrene	ND	ug/kg	7800				
Ethyl Methanesulfonate	ND	ug/kg	5800				
Acetophenone	ND	ug/kg	7800				
Nitrosodipiperidine	ND	ug/kg	7800				

Comments: Complete list of References and Glossary of Terms found in Addendum I

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

Laboratory Sample Number: L0615863-01
AK-SB-1 (1'-2')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
SVOC's by GC/MS 8270 cont'd				1	8270C	1103 20:35	1106 16:01 RL
7,12-Dimethylbenz(a)anthracene	ND	ug/kg	3900				
n-Nitrosodimethylamine	ND	ug/kg	19000				
2,4,6-Trichlorophenol	ND	ug/kg	1900				
p-Chloro-m-cresol	ND	ug/kg	1900				
2-Chlorophenol	ND	ug/kg	2300				
2,4-Dichlorophenol	ND	ug/kg	3900				
2,4-Dimethylphenol	ND	ug/kg	1900				
2-Nitrophenol	ND	ug/kg	7800				
4-Nitrophenol	ND	ug/kg	3900				
2,4-Dinitrophenol	ND	ug/kg	7800				
4,6-Dinitro-o-cresol	ND	ug/kg	7800				
Pentachlorophenol	ND	ug/kg	7800				
Phenol	ND	ug/kg	2700				
2-Methylphenol	ND	ug/kg	2300				
3-Methylphenol/4-Methylphenol	ND	ug/kg	2300				
2,4,5-Trichlorophenol	ND	ug/kg	1900				
2,6-Dichlorophenol	ND	ug/kg	3900				
Benzoic Acid	ND	ug/kg	19000				
Benzyl Alcohol	ND	ug/kg	3900				
Carbazole	ND	ug/kg	1900				
Pyridine	ND	ug/kg	19000				
2-Picoline	ND	ug/kg	7800				
Pronamide	ND	ug/kg	7800				
Methyl methanesulfonate	ND	ug/kg	7800				
Surrogate(s)	Recovery		QC Criteria				
2-Fluorophenol	79.0	%	25-120				
Phenol-d6	120	%	10-120				
Nitrobenzene-d5	86.0	%	23-120				
2-Fluorobiphenyl	88.0	%	30-120				
2,4,6-Tribromophenol	95.0	%	19-120				
4-Terphenyl-d14	101	%	18-120				
PAH by GC/MS SIM 8270M				1	8270C-M	1103 20:35	1108 00:38 RL
Acenaphthene	2000	ug/kg	390				
2-Chloronaphthalene	ND	ug/kg	390				
Fluoranthene	27000	ug/kg	390				
Hexachlorobutadiene	ND	ug/kg	970				
Naphthalene	670	ug/kg	390				
Benzo(a)anthracene	15000	ug/kg	390				
Benzo(a)pyrene	9300	ug/kg	390				
Benzo(b)fluoranthene	12000	ug/kg	390				
Benzo(k)fluoranthene	11000	ug/kg	390				
Chrysene	12000	ug/kg	390				
Acenaphthylene	760	ug/kg	390				
Anthracene	4800	ug/kg	390				
Benzo(ghi)perylene	7200	ug/kg	390				
Fluorene	2100	ug/kg	390				
Phenanthrene	15000	ug/kg	390				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0615863-01
 AK-SB-1 (1'-2')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
PAH by GC/MS SIM 8270M cont'd				1	8270C-M	1103 20:35	1108 00:38 RL
Dibenzo(a,h)anthracene	1700	ug/kg	390				
Indeno(1,2,3-cd)Pyrene	6200	ug/kg	390				
Pyrene	22000	ug/kg	390				
1-Methylnaphthalene	ND	ug/kg	390				
2-Methylnaphthalene	ND	ug/kg	390				
Pentachlorophenol	ND	ug/kg	1600				
Hexachlorobenzene	ND	ug/kg	1600				
Perylene	2600	ug/kg	390				
Biphenyl	ND	ug/kg	390				
2,6-Dimethylnaphthalene	ND	ug/kg	390				
1-Methylphenanthrene	1400	ug/kg	390				
Benzo(e)Pyrene	9400	ug/kg	390				
Hexachloroethane	ND	ug/kg	1600				
Surrogate(s)	Recovery		QC Criteria				
2-Fluorophenol	ND	%	25-120				
Phenol-d6	ND	%	10-120				
Nitrobenzene-d5	ND	%	23-120				
2-Fluorobiphenyl	ND	%	30-120				
2,4,6-Tribromophenol	ND	%	19-120				
4-Terphenyl-d14	ND	%	18-120				
Polychlorinated Biphenyls				1	8082	1103 16:00	1107 23:38 AK
Aroclor 1016	ND	ug/kg	38.8				
Aroclor 1221	ND	ug/kg	38.8				
Aroclor 1232	ND	ug/kg	38.8				
Aroclor 1242	ND	ug/kg	38.8				
Aroclor 1248	ND	ug/kg	38.8				
Aroclor 1254	109	ug/kg	38.8				
Aroclor 1260	49.7	ug/kg	38.8				
Surrogate(s)	Recovery		QC Criteria				
2,4,5,6-Tetrachloro-m-xylene	47.0	%	30-150				
Decachlorobiphenyl	42.0	%	30-150				
Organochlorine Pesticides				1	8081	1103 21:40	1108 04:55 JB
Delta-BHC	ND	ug/kg	77.5				
Lindane	ND	ug/kg	77.5				
Alpha-BHC	ND	ug/kg	77.5				
Beta-BHC	ND	ug/kg	77.5				
Heptachlor	ND	ug/kg	77.5				
Aldrin	ND	ug/kg	77.5				
Heptachlor epoxide	ND	ug/kg	77.5				
Endrin	ND	ug/kg	77.5				
Endrin aldehyde	ND	ug/kg	77.5				
Endrin ketone	ND	ug/kg	77.5				
Dieldrin	ND	ug/kg	77.5				
4,4'-DDE	ND	ug/kg	77.5				
4,4'-DDD	231	ug/kg	77.5				

Comments: Complete list of References and Glossary of Terms found in Addendum I

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

Laboratory Sample Number: L0615863-01
AK-SB-1 (1'-2')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Organochlorine Pesticides cont'd				1 8081	1103 21:40	1108 04:55	JB
4,4'-DDT	ND	ug/kg	77.5				
Endosulfan I	ND	ug/kg	77.5				
Endosulfan II	ND	ug/kg	77.5				
Endosulfan sulfate	ND	ug/kg	77.5				
Methoxychlor	ND	ug/kg	310.				
Toxaphene	ND	ug/kg	310.				
Chlordane	ND	ug/kg	310.				
cis-Chlordane	ND	ug/kg	77.5				
trans-Chlordane	ND	ug/kg	77.5				
Surrogate(s)	Recovery			QC Criteria			
2,4,5,6-Tetrachloro-m-xylene	ND	%		30-150			
Decachlorobiphenyl	ND	%		30-150			

Comments: Complete list of References and Glossary of Terms found in Addendum I

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0615863-02	Date Collected: 01-NOV-2006 08:55
AK-SB-1 (6'-7')	Date Received : 02-NOV-2006
Sample Matrix: SOIL	Date Reported : 09-NOV-2006
Condition of Sample: Satisfactory	Field Prep: None
Number & Type of Containers: 1-Amber,1-Vial	

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Solids, Total	91	%	0.10	30 2540G		1107 12:01	PD
Total Metals				1 3051			
Aluminum, Total	4500	mg/kg	4.4	1 6010B	1103 18:30	1108 15:17	AI
Antimony, Total	ND	mg/kg	2.2	1 6010B	1103 18:30	1108 15:17	AI
Arsenic, Total	1.4	mg/kg	0.44	1 6010B	1103 18:30	1108 15:17	AI
Barium, Total	73	mg/kg	0.44	1 6010B	1103 18:30	1108 15:17	AI
Beryllium, Total	ND	mg/kg	0.22	1 6010B	1103 18:30	1108 15:17	AI
Cadmium, Total	ND	mg/kg	0.44	1 6010B	1103 18:30	1108 15:17	AI
Calcium, Total	49000	mg/kg	44	1 6010B	1103 18:30	1109 10:25	AI
Chromium, Total	9.3	mg/kg	0.44	1 6010B	1103 18:30	1108 15:17	AI
Cobalt, Total	4.9	mg/kg	0.87	1 6010B	1103 18:30	1108 15:17	AI
Copper, Total	17	mg/kg	0.44	1 6010B	1103 18:30	1108 15:17	AI
Iron, Total	8700	mg/kg	2.2	1 6010B	1103 18:30	1108 15:17	AI
Lead, Total	61	mg/kg	2.2	1 6010B	1103 18:30	1108 15:17	AI
Magnesium, Total	26000	mg/kg	44	1 6010B	1103 18:30	1109 10:25	AI
Manganese, Total	180	mg/kg	0.44	1 6010B	1103 18:30	1108 15:17	AI
Mercury, Total	ND	mg/kg	0.08	1 7471A	1106 16:25	1107 10:21	DM
Nickel, Total	7.8	mg/kg	1.1	1 6010B	1103 18:30	1108 15:17	AI
Potassium, Total	1700	mg/kg	110	1 6010B	1103 18:30	1108 15:17	AI
Selenium, Total	ND	mg/kg	0.87	1 6010B	1103 18:30	1108 15:17	AI
Silver, Total	ND	mg/kg	0.44	1 6010B	1103 18:30	1108 15:17	AI
Sodium, Total	ND	mg/kg	87	1 6010B	1103 18:30	1108 15:17	AI
Thallium, Total	ND	mg/kg	0.44	1 6010B	1103 18:30	1108 15:17	AI
Vanadium, Total	15	mg/kg	0.44	1 6010B	1103 18:30	1108 15:17	AI
Zinc, Total	52	mg/kg	2.2	1 6010B	1103 18:30	1108 15:17	AI
Volatile Organics by GC/MS 8260				1 8260B		1107 17:46	RY
Methylene chloride	ND	ug/kg	27.				
1,1-Dichloroethane	ND	ug/kg	4.1				
Chloroform	ND	ug/kg	4.1				
Carbon tetrachloride	ND	ug/kg	2.7				
1,2-Dichloropropane	ND	ug/kg	9.6				
Dibromochloromethane	ND	ug/kg	2.7				
1,1,2-Trichloroethane	ND	ug/kg	4.1				
Tetrachloroethene	ND	ug/kg	2.7				
Chlorobenzene	ND	ug/kg	2.7				
Trichlorofluoromethane	ND	ug/kg	14.				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0615863-02
 AK-SB-1 (6'-7')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by GC/MS 8260 cont'd				1	8260B	1107	17:46 RY
1,2-Dichloroethane	ND	ug/kg	2.7				
1,1,1-Trichloroethane	ND	ug/kg	2.7				
Bromodichloromethane	ND	ug/kg	2.7				
trans-1,3-Dichloropropene	ND	ug/kg	2.7				
cis-1,3-Dichloropropene	ND	ug/kg	2.7				
1,1-Dichloropropene	ND	ug/kg	14.				
Bromoform	ND	ug/kg	11.				
1,1,2,2-Tetrachloroethane	ND	ug/kg	2.7				
Benzene	ND	ug/kg	2.7				
Toluene	ND	ug/kg	4.1				
Ethylbenzene	ND	ug/kg	2.7				
Chloromethane	ND	ug/kg	14.				
Bromomethane	ND	ug/kg	5.5				
Vinyl chloride	ND	ug/kg	5.5				
Chloroethane	ND	ug/kg	5.5				
1,1-Dichloroethene	ND	ug/kg	2.7				
trans-1,2-Dichloroethene	ND	ug/kg	4.1				
Trichloroethene	ND	ug/kg	2.7				
1,2-Dichlorobenzene	ND	ug/kg	14.				
1,3-Dichlorobenzene	ND	ug/kg	14.				
1,4-Dichlorobenzene	ND	ug/kg	14.				
Methyl tert butyl ether	ND	ug/kg	5.5				
p/m-Xylene	ND	ug/kg	5.5				
o-Xylene	ND	ug/kg	5.5				
cis-1,2-Dichloroethene	ND	ug/kg	2.7				
Dibromomethane	ND	ug/kg	27.				
1,4-Dichlorobutane	ND	ug/kg	27.				
Iodomethane	ND	ug/kg	27.				
1,2,3-Trichloropropane	ND	ug/kg	27.				
Styrene	ND	ug/kg	5.5				
Dichlorodifluoromethane	ND	ug/kg	27.				
Acetone	ND	ug/kg	27.				
Carbon disulfide	ND	ug/kg	27.				
2-Butanone	ND	ug/kg	27.				
Vinyl acetate	ND	ug/kg	27.				
4-Methyl-2-pentanone	ND	ug/kg	27.				
2-Hexanone	ND	ug/kg	27.				
Ethyl methacrylate	ND	ug/kg	27.				
Acrolein	ND	ug/kg	69.				
Acrylonitrile	ND	ug/kg	11.				
Bromochloromethane	ND	ug/kg	14.				
Tetrahydrofuran	ND	ug/kg	55.				
2,2-Dichloropropane	ND	ug/kg	14.				
1,2-Dibromoethane	ND	ug/kg	11.				
1,3-Dichloropropane	ND	ug/kg	14.				
1,1,1,2-Tetrachloroethane	ND	ug/kg	2.7				
Bromobenzene	ND	ug/kg	14.				
n-Butylbenzene	ND	ug/kg	2.7				
sec-Butylbenzene	ND	ug/kg	2.7				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0615863-02
AK-SB-1 (6'-7')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by GC/MS 8260 cont'd				1	8260B	1107	17:46 RY
tert-Butylbenzene	ND	ug/kg	14.				
o-Chlorotoluene	ND	ug/kg	14.				
p-Chlorotoluene	ND	ug/kg	14.				
1,2-Dibromo-3-chloropropane	ND	ug/kg	14.				
Hexachlorobutadiene	ND	ug/kg	14.				
Isopropylbenzene	ND	ug/kg	2.7				
p-Isopropyltoluene	ND	ug/kg	2.7				
Naphthalene	ND	ug/kg	14.				
n-Propylbenzene	ND	ug/kg	2.7				
1,2,3-Trichlorobenzene	ND	ug/kg	14.				
1,2,4-Trichlorobenzene	ND	ug/kg	14.				
1,3,5-Trimethylbenzene	ND	ug/kg	14.				
1,2,4-Trimethylbenzene	ND	ug/kg	14.				
trans-1,4-Dichloro-2-butene	ND	ug/kg	14.				
Ethyl ether	ND	ug/kg	14.				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	106	%	70-130				
Toluene-d8	93.0	%	70-130				
4-Bromofluorobenzene	102	%	70-130				
Dibromofluoromethane	98.0	%	70-130				
SVOC's by GC/MS 8270				1	8270C	1103	20:35 1107 18:41 RL
Acenaphthene	ND	ug/kg	3700				
Benzidine	ND	ug/kg	37000				
1,2,4-Trichlorobenzene	ND	ug/kg	3700				
Hexachlorobenzene	ND	ug/kg	3700				
Bis(2-chloroethyl)ether	ND	ug/kg	3700				
1-Chloronaphthalene	ND	ug/kg	3700				
2-Chloronaphthalene	ND	ug/kg	4400				
1,2-Dichlorobenzene	ND	ug/kg	3700				
1,3-Dichlorobenzene	ND	ug/kg	3700				
1,4-Dichlorobenzene	ND	ug/kg	3700				
3,3'-Dichlorobenzidine	ND	ug/kg	7300				
2,4-Dinitrotoluene	ND	ug/kg	3700				
2,6-Dinitrotoluene	ND	ug/kg	3700				
Azobenzene	ND	ug/kg	3700				
Fluoranthene	45000	ug/kg	3700				
4-Chlorophenyl phenyl ether	ND	ug/kg	3700				
4-Bromophenyl phenyl ether	ND	ug/kg	3700				
Bis(2-chloroisopropyl)ether	ND	ug/kg	3700				
Bis(2-chloroethoxy)methane	ND	ug/kg	3700				
Hexachlorobutadiene	ND	ug/kg	7300				
Hexachlorocyclopentadiene	ND	ug/kg	7300				
Hexachloroethane	ND	ug/kg	3700				
Isophorone	ND	ug/kg	3700				
Naphthalene	5900	ug/kg	3700				
Nitrobenzene	ND	ug/kg	3700				
NDPA/DPA	ND	ug/kg	11000				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0615863-02
 AK-SB-1 (6'-7')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
SVOC's by GC/MS 8270 cont'd				1 8270C	1103 20:35	1107 18:41	RL
n-Nitrosodi-n-propylamine	ND	ug/kg	3700				
Bis(2-ethylhexyl)phthalate	ND	ug/kg	7300				
Butyl benzyl phthalate	ND	ug/kg	3700				
Di-n-butylphthalate	ND	ug/kg	3700				
Di-n-octylphthalate	ND	ug/kg	3700				
Diethyl phthalate	ND	ug/kg	3700				
Dimethyl phthalate	ND	ug/kg	3700				
Benzo(a)anthracene	19000	ug/kg	3700				
Benzo(a)pyrene	13000	ug/kg	3700				
Benzo(b)fluoranthene	10000	ug/kg	3700				
Benzo(k)fluoranthene	12000	ug/kg	3700				
Chrysene	19000	ug/kg	3700				
Acenaphthylene	ND	ug/kg	3700				
Anthracene	13000	ug/kg	3700				
Benzo(ghi)perylene	6000	ug/kg	3700				
Fluorene	6200	ug/kg	3700				
Phenanthrene	59000	ug/kg	3700				
Dibenzo(a,h)anthracene	ND	ug/kg	3700				
Indeno(1,2,3-cd)pyrene	7200	ug/kg	3700				
Pyrene	39000	ug/kg	3700				
Benzo(e)pyrene	7800	ug/kg	3700				
Biphenyl	ND	ug/kg	3700				
Perylene	ND	ug/kg	3700				
Aniline	ND	ug/kg	7300				
4-Chloroaniline	ND	ug/kg	3700				
1-Methylnaphthalene	5400	ug/kg	3700				
2-Nitroaniline	ND	ug/kg	3700				
3-Nitroaniline	ND	ug/kg	3700				
4-Nitroaniline	ND	ug/kg	5100				
Dibenzofuran	ND	ug/kg	3700				
a,a-Dimethylphenethylamine	ND	ug/kg	37000				
Hexachloropropene	ND	ug/kg	7300				
Nitrosodi-n-butylamine	ND	ug/kg	7300				
2-Methylnaphthalene	4400	ug/kg	3700				
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	15000				
Pentachlorobenzene	ND	ug/kg	15000				
a-Naphthylamine	ND	ug/kg	15000				
b-Naphthylamine	ND	ug/kg	15000				
Phenacetin	ND	ug/kg	7300				
Dimethoate	ND	ug/kg	15000				
4-Aminobiphenyl	ND	ug/kg	7300				
Pentachloronitrobenzene	ND	ug/kg	7300				
Isodrin	ND	ug/kg	7300				
p-Dimethylaminoazobenzene	ND	ug/kg	7300				
Chlorobenzilate	ND	ug/kg	15000				
3-Methylcholanthrene	ND	ug/kg	15000				
Ethyl Methanesulfonate	ND	ug/kg	11000				
Acetophenone	ND	ug/kg	15000				
Nitrosodipiperidine	ND	ug/kg	15000				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0615863-02
AK-SB-1 (6'-7')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
SVOC's by GC/MS 8270 cont'd				1 8270C	1103 20:35	1107 18:41	RL
7,12-Dimethylbenz(a)anthracene	ND	ug/kg	7300				
n-Nitrosodimethylamine	ND	ug/kg	37000				
2,4,6-Trichlorophenol	ND	ug/kg	3700				
p-Chloro-m-cresol	ND	ug/kg	3700				
2-Chlorophenol	ND	ug/kg	4400				
2,4-Dichlorophenol	ND	ug/kg	7300				
2,4-Dimethylphenol	ND	ug/kg	3700				
2-Nitrophenol	ND	ug/kg	15000				
4-Nitrophenol	ND	ug/kg	7300				
2,4-Dinitrophenol	ND	ug/kg	15000				
4,6-Dinitro-o-cresol	ND	ug/kg	15000				
Pentachlorophenol	ND	ug/kg	15000				
Phenol	ND	ug/kg	5100				
2-Methylphenol	ND	ug/kg	4400				
3-Methylphenol/4-Methylphenol	ND	ug/kg	4400				
2,4,5-Trichlorophenol	ND	ug/kg	3700				
2,6-Dichlorophenol	ND	ug/kg	7300				
Benzoic Acid	ND	ug/kg	37000				
Benzyl Alcohol	ND	ug/kg	7300				
Carbazole	4600	ug/kg	3700				
Pyridine	ND	ug/kg	37000				
2-Picoline	ND	ug/kg	15000				
Pronamide	ND	ug/kg	15000				
Methyl methanesulfonate	ND	ug/kg	15000				
Surrogate(s)	Recovery		QC Criteria				
2-Fluorophenol	54.0	%	25-120				
Phenol-d6	90.0	%	10-120				
Nitrobenzene-d5	64.0	%	23-120				
2-Fluorobiphenyl	76.0	%	30-120				
2,4,6-Tribromophenol	84.0	%	19-120				
4-Terphenyl-d14	93.0	%	18-120				
PAH by GC/MS SIM 8270M				1 8270C-M	1103 20:35	1108 01:27	RL
Acenaphthene	4200	ug/kg	590				
2-Chloronaphthalene	ND	ug/kg	590				
Fluoranthene	46000	ug/kg	590				
Hexachlorobutadiene	ND	ug/kg	1500				
Naphthalene	5800	ug/kg	590				
Benzo(a)anthracene	28000	ug/kg	590				
Benzo(a)pyrene	12000	ug/kg	590				
Benzo(b)fluoranthene	16000	ug/kg	590				
Benzo(k)fluoranthene	15000	ug/kg	590				
Chrysene	24000	ug/kg	590				
Acenaphthylene	730	ug/kg	590				
Anthracene	16000	ug/kg	590				
Benzo(ghi)perylene	6900	ug/kg	590				
Fluorene	7900	ug/kg	590				
Phenanthrene	50000	ug/kg	590				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0615863-02
 AK-SB-1 (6'-7')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
PAH by GC/MS SIM 8270M cont'd				1	8270C-M	1103 20:35	1108 01:27 RL
Dibenzo(a,h)anthracene	2300	ug/kg	590				
Indeno(1,2,3-cd)Pyrene	6400	ug/kg	590				
Pyrene	40000	ug/kg	590				
1-Methylnaphthalene	4100	ug/kg	590				
2-Methylnaphthalene	4700	ug/kg	590				
Pentachlorophenol	ND	ug/kg	2300				
Hexachlorobenzene	ND	ug/kg	2300				
Perylene	2900	ug/kg	590				
Biphenyl	900	ug/kg	590				
2,6-Dimethylnaphthalene	2200	ug/kg	590				
1-Methylphenanthrene	8000	ug/kg	590				
Benzo(e)Pyrene	11000	ug/kg	590				
Hexachloroethane	ND	ug/kg	2300				
Surrogate(s)	Recovery		QC Criteria				
2-Fluorophenol	ND	%	25-120				
Phenol-d6	ND	%	10-120				
Nitrobenzene-d5	ND	%	23-120				
2-Fluorobiphenyl	ND	%	30-120				
2,4,6-Tribromophenol	ND	%	19-120				
4-Terphenyl-d14	ND	%	18-120				
Polychlorinated Biphenyls				1	8082	1103 16:00	1108 00:07 AK
Aroclor 1016	ND	ug/kg	36.6				
Aroclor 1221	ND	ug/kg	36.6				
Aroclor 1232	ND	ug/kg	36.6				
Aroclor 1242	ND	ug/kg	36.6				
Aroclor 1248	ND	ug/kg	36.6				
Aroclor 1254	ND	ug/kg	36.6				
Aroclor 1260	ND	ug/kg	36.6				
Surrogate(s)	Recovery		QC Criteria				
2,4,5,6-Tetrachloro-m-xylene	46.0	%	30-150				
Decachlorobiphenyl	42.0	%	30-150				
Organochlorine Pesticides				1	8081	1103 21:40	1108 00:09 JB
Delta-BHC	ND	ug/kg	18.3				
Lindane	ND	ug/kg	18.3				
Alpha-BHC	ND	ug/kg	18.3				
Beta-BHC	ND	ug/kg	18.3				
Heptachlor	ND	ug/kg	18.3				
Aldrin	ND	ug/kg	18.3				
Heptachlor epoxide	ND	ug/kg	18.3				
Endrin	ND	ug/kg	18.3				
Endrin aldehyde	ND	ug/kg	18.3				
Endrin ketone	ND	ug/kg	18.3				
Dieldrin	ND	ug/kg	18.3				
4,4'-DDE	ND	ug/kg	18.3				
4,4'-DDD	ND	ug/kg	18.3				

Comments: Complete list of References and Glossary of Terms found in Addendum I

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

Laboratory Sample Number: L0615863-02
AK-SB-1 (6'-7')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Organochlorine Pesticides cont'd				1 8081	1103 21:40	1108 00:09	JB
4,4'-DDT	ND	ug/kg	18.3				
Endosulfan I	ND	ug/kg	18.3				
Endosulfan II	ND	ug/kg	18.3				
Endosulfan sulfate	ND	ug/kg	18.3				
Methoxychlor	ND	ug/kg	73.3				
Toxaphene	ND	ug/kg	73.3				
Chlordane	ND	ug/kg	73.3				
cis-Chlordane	ND	ug/kg	18.3				
trans-Chlordane	ND	ug/kg	18.3				
Surrogate(s)	Recovery			QC Criteria			
2,4,5,6-Tetrachloro-m-xylene	65.0	%		30-150			
Decachlorobiphenyl	116	%		30-150			

Comments: Complete list of References and Glossary of Terms found in Addendum I

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0615863-03	Date Collected: 01-NOV-2006 09:35
AK-SB-2 (1'-2')	Date Received : 02-NOV-2006
Sample Matrix: SOIL	Date Reported : 09-NOV-2006
Condition of Sample: Satisfactory	Field Prep: None
Number & Type of Containers: 1-Amber,1-Vial	

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Solids, Total	91	%	0.10	30 2540G		1103 14:08	PD
Total Metals				1 3051			
Aluminum, Total	3800	mg/kg	4.3	1 6010B	1103 18:30	1108 15:21	AI
Antimony, Total	ND	mg/kg	2.2	1 6010B	1103 18:30	1108 15:21	AI
Arsenic, Total	4.1	mg/kg	0.43	1 6010B	1103 18:30	1108 15:21	AI
Barium, Total	41	mg/kg	0.43	1 6010B	1103 18:30	1108 15:21	AI
Beryllium, Total	ND	mg/kg	0.22	1 6010B	1103 18:30	1108 15:21	AI
Cadmium, Total	ND	mg/kg	0.43	1 6010B	1103 18:30	1108 15:21	AI
Calcium, Total	20000	mg/kg	43	1 6010B	1103 18:30	1109 10:29	AI
Chromium, Total	7.7	mg/kg	0.43	1 6010B	1103 18:30	1108 15:21	AI
Cobalt, Total	4.1	mg/kg	0.86	1 6010B	1103 18:30	1108 15:21	AI
Copper, Total	91	mg/kg	0.43	1 6010B	1103 18:30	1108 15:21	AI
Iron, Total	11000	mg/kg	2.2	1 6010B	1103 18:30	1108 15:21	AI
Lead, Total	74	mg/kg	2.2	1 6010B	1103 18:30	1108 15:21	AI
Magnesium, Total	5700	mg/kg	4.3	1 6010B	1103 18:30	1108 15:21	AI
Manganese, Total	210	mg/kg	0.43	1 6010B	1103 18:30	1108 15:21	AI
Mercury, Total	0.30	mg/kg	0.09	1 7471A	1106 16:25	1107 10:23	DM
Nickel, Total	10	mg/kg	1.1	1 6010B	1103 18:30	1108 15:21	AI
Potassium, Total	770	mg/kg	110	1 6010B	1103 18:30	1108 15:21	AI
Selenium, Total	ND	mg/kg	0.86	1 6010B	1103 18:30	1108 15:21	AI
Silver, Total	ND	mg/kg	0.43	1 6010B	1103 18:30	1108 15:21	AI
Sodium, Total	ND	mg/kg	86	1 6010B	1103 18:30	1108 15:21	AI
Thallium, Total	ND	mg/kg	0.43	1 6010B	1103 18:30	1108 15:21	AI
Vanadium, Total	12	mg/kg	0.43	1 6010B	1103 18:30	1108 15:21	AI
Zinc, Total	110	mg/kg	2.2	1 6010B	1103 18:30	1108 15:21	AI
Volatile Organics by GC/MS 8260				1 8260B		1107 18:21	RY
Methylene chloride	ND	ug/kg	27.				
1,1-Dichloroethane	ND	ug/kg	4.1				
Chloroform	ND	ug/kg	4.1				
Carbon tetrachloride	ND	ug/kg	2.7				
1,2-Dichloropropane	ND	ug/kg	9.6				
Dibromochloromethane	ND	ug/kg	2.7				
1,1,2-Trichloroethane	ND	ug/kg	4.1				
Tetrachloroethene	ND	ug/kg	2.7				
Chlorobenzene	ND	ug/kg	2.7				
Trichlorofluoromethane	ND	ug/kg	14.				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0615863-03
 AK-SB-2 (1'-2')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by GC/MS 8260 cont'd				1	8260B	1107	18:21 RY
1,2-Dichloroethane	ND	ug/kg	2.7				
1,1,1-Trichloroethane	ND	ug/kg	2.7				
Bromodichloromethane	ND	ug/kg	2.7				
trans-1,3-Dichloropropene	ND	ug/kg	2.7				
cis-1,3-Dichloropropene	ND	ug/kg	2.7				
1,1-Dichloropropene	ND	ug/kg	14.				
Bromoform	ND	ug/kg	11.				
1,1,2,2-Tetrachloroethane	ND	ug/kg	2.7				
Benzene	ND	ug/kg	2.7				
Toluene	ND	ug/kg	4.1				
Ethylbenzene	ND	ug/kg	2.7				
Chloromethane	ND	ug/kg	14.				
Bromomethane	ND	ug/kg	5.5				
Vinyl chloride	ND	ug/kg	5.5				
Chloroethane	ND	ug/kg	5.5				
1,1-Dichloroethene	ND	ug/kg	2.7				
trans-1,2-Dichloroethene	ND	ug/kg	4.1				
Trichloroethene	ND	ug/kg	2.7				
1,2-Dichlorobenzene	ND	ug/kg	14.				
1,3-Dichlorobenzene	ND	ug/kg	14.				
1,4-Dichlorobenzene	ND	ug/kg	14.				
Methyl tert butyl ether	ND	ug/kg	5.5				
p/m-Xylene	ND	ug/kg	5.5				
o-Xylene	ND	ug/kg	5.5				
cis-1,2-Dichloroethene	ND	ug/kg	2.7				
Dibromomethane	ND	ug/kg	27.				
1,4-Dichlorobutane	ND	ug/kg	27.				
Iodomethane	ND	ug/kg	27.				
1,2,3-Trichloropropane	ND	ug/kg	27.				
Styrene	ND	ug/kg	5.5				
Dichlorodifluoromethane	ND	ug/kg	27.				
Acetone	ND	ug/kg	27.				
Carbon disulfide	ND	ug/kg	27.				
2-Butanone	ND	ug/kg	27.				
Vinyl acetate	ND	ug/kg	27.				
4-Methyl-2-pentanone	ND	ug/kg	27.				
2-Hexanone	ND	ug/kg	27.				
Ethyl methacrylate	ND	ug/kg	27.				
Acrolein	ND	ug/kg	69.				
Acrylonitrile	ND	ug/kg	11.				
Bromochloromethane	ND	ug/kg	14.				
Tetrahydrofuran	ND	ug/kg	55.				
2,2-Dichloropropane	ND	ug/kg	14.				
1,2-Dibromoethane	ND	ug/kg	11.				
1,3-Dichloropropane	ND	ug/kg	14.				
1,1,1,2-Tetrachloroethane	ND	ug/kg	2.7				
Bromobenzene	ND	ug/kg	14.				
n-Butylbenzene	ND	ug/kg	2.7				
sec-Butylbenzene	ND	ug/kg	2.7				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0615863-03
AK-SB-2 (1'-2')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by GC/MS 8260 cont'd				1	8260B	1107	18:21 RY
tert-Butylbenzene	ND	ug/kg	14.				
o-Chlorotoluene	ND	ug/kg	14.				
p-Chlorotoluene	ND	ug/kg	14.				
1,2-Dibromo-3-chloropropane	ND	ug/kg	14.				
Hexachlorobutadiene	ND	ug/kg	14.				
Isopropylbenzene	ND	ug/kg	2.7				
p-Isopropyltoluene	ND	ug/kg	2.7				
Naphthalene	21	ug/kg	14				
n-Propylbenzene	ND	ug/kg	2.7				
1,2,3-Trichlorobenzene	ND	ug/kg	14.				
1,2,4-Trichlorobenzene	ND	ug/kg	14.				
1,3,5-Trimethylbenzene	ND	ug/kg	14.				
1,2,4-Trimethylbenzene	ND	ug/kg	14.				
trans-1,4-Dichloro-2-butene	ND	ug/kg	14.				
Ethyl ether	ND	ug/kg	14.				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	108	%	70-130				
Toluene-d8	99.0	%	70-130				
4-Bromofluorobenzene	120	%	70-130				
Dibromofluoromethane	102	%	70-130				
SVOC's by GC/MS 8270				1	8270C	1103	20:35 1106 16:51 RL
Acenaphthene	ND	ug/kg	370				
Benzidine	ND	ug/kg	3700				
1,2,4-Trichlorobenzene	ND	ug/kg	370				
Hexachlorobenzene	ND	ug/kg	370				
Bis(2-chloroethyl)ether	ND	ug/kg	370				
1-Chloronaphthalene	ND	ug/kg	370				
2-Chloronaphthalene	ND	ug/kg	440				
1,2-Dichlorobenzene	ND	ug/kg	370				
1,3-Dichlorobenzene	ND	ug/kg	370				
1,4-Dichlorobenzene	ND	ug/kg	370				
3,3'-Dichlorobenzidine	ND	ug/kg	730				
2,4-Dinitrotoluene	ND	ug/kg	370				
2,6-Dinitrotoluene	ND	ug/kg	370				
Azobenzene	ND	ug/kg	370				
Fluoranthene	4400	ug/kg	370				
4-Chlorophenyl phenyl ether	ND	ug/kg	370				
4-Bromophenyl phenyl ether	ND	ug/kg	370				
Bis(2-chloroisopropyl)ether	ND	ug/kg	370				
Bis(2-chloroethoxy)methane	ND	ug/kg	370				
Hexachlorobutadiene	ND	ug/kg	730				
Hexachlorocyclopentadiene	ND	ug/kg	730				
Hexachloroethane	ND	ug/kg	370				
Isophorone	ND	ug/kg	370				
Naphthalene	ND	ug/kg	370				
Nitrobenzene	ND	ug/kg	370				
NDPA/DPA	ND	ug/kg	1100				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0615863-03
 AK-SB-2 (1'-2')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
SVOC's by GC/MS 8270 cont'd				1 8270C	1103 20:35	1106 16:51	RL
n-Nitrosodi-n-propylamine	ND	ug/kg	370				
Bis(2-ethylhexyl)phthalate	ND	ug/kg	730				
Butyl benzyl phthalate	ND	ug/kg	370				
Di-n-butylphthalate	ND	ug/kg	370				
Di-n-octylphthalate	ND	ug/kg	370				
Diethyl phthalate	ND	ug/kg	370				
Dimethyl phthalate	ND	ug/kg	370				
Benzo(a)anthracene	2000	ug/kg	370				
Benzo(a)pyrene	1800	ug/kg	370				
Benzo(b)fluoranthene	1600	ug/kg	370				
Benzo(k)fluoranthene	1600	ug/kg	370				
Chrysene	2000	ug/kg	370				
Acenaphthylene	ND	ug/kg	370				
Anthracene	600	ug/kg	370				
Benzo(ghi)perylene	1100	ug/kg	370				
Fluorene	ND	ug/kg	370				
Phenanthrene	2500	ug/kg	370				
Dibenzo(a,h)anthracene	440	ug/kg	370				
Indeno(1,2,3-cd)pyrene	1300	ug/kg	370				
Pyrene	3700	ug/kg	370				
Benzo(e)pyrene	1200	ug/kg	370				
Biphenyl	ND	ug/kg	370				
Perylene	480	ug/kg	370				
Aniline	ND	ug/kg	730				
4-Chloroaniline	ND	ug/kg	370				
1-Methylnaphthalene	ND	ug/kg	370				
2-Nitroaniline	ND	ug/kg	370				
3-Nitroaniline	ND	ug/kg	370				
4-Nitroaniline	ND	ug/kg	510				
Dibenzofuran	ND	ug/kg	370				
a,a-Dimethylphenethylamine	ND	ug/kg	3700				
Hexachloropropene	ND	ug/kg	730				
Nitrosodi-n-butylamine	ND	ug/kg	730				
2-Methylnaphthalene	ND	ug/kg	370				
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	1500				
Pentachlorobenzene	ND	ug/kg	1500				
a-Naphthylamine	ND	ug/kg	1500				
b-Naphthylamine	ND	ug/kg	1500				
Phenacetin	ND	ug/kg	730				
Dimethoate	ND	ug/kg	1500				
4-Aminobiphenyl	ND	ug/kg	730				
Pentachloronitrobenzene	ND	ug/kg	730				
Isodrin	ND	ug/kg	730				
p-Dimethylaminoazobenzene	ND	ug/kg	730				
Chlorobenzilate	ND	ug/kg	1500				
3-Methylcholanthrene	ND	ug/kg	1500				
Ethyl Methanesulfonate	ND	ug/kg	1100				
Acetophenone	ND	ug/kg	1500				
Nitrosodipiperidine	ND	ug/kg	1500				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0615863-03
AK-SB-2 (1'-2')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
SVOC's by GC/MS 8270 cont'd				1 8270C	1103 20:35	1106 16:51	RL
7,12-Dimethylbenz(a)anthracene	ND	ug/kg	730				
n-Nitrosodimethylamine	ND	ug/kg	3700				
2,4,6-Trichlorophenol	ND	ug/kg	370				
p-Chloro-m-cresol	ND	ug/kg	370				
2-Chlorophenol	ND	ug/kg	440				
2,4-Dichlorophenol	ND	ug/kg	730				
2,4-Dimethylphenol	ND	ug/kg	370				
2-Nitrophenol	ND	ug/kg	1500				
4-Nitrophenol	ND	ug/kg	730				
2,4-Dinitrophenol	ND	ug/kg	1500				
4,6-Dinitro-o-cresol	ND	ug/kg	1500				
Pentachlorophenol	ND	ug/kg	1500				
Phenol	680	ug/kg	510				
2-Methylphenol	ND	ug/kg	440				
3-Methylphenol/4-Methylphenol	ND	ug/kg	440				
2,4,5-Trichlorophenol	ND	ug/kg	370				
2,6-Dichlorophenol	ND	ug/kg	730				
Benzoic Acid	ND	ug/kg	3700				
Benzyl Alcohol	ND	ug/kg	730				
Carbazole	ND	ug/kg	370				
Pyridine	ND	ug/kg	3700				
2-Picoline	ND	ug/kg	1500				
Pronamide	ND	ug/kg	1500				
Methyl methanesulfonate	ND	ug/kg	1500				
Surrogate(s)	Recovery		QC Criteria				
2-Fluorophenol	68.0	%	25-120				
Phenol-d6	107	%	10-120				
Nitrobenzene-d5	75.0	%	23-120				
2-Fluorobiphenyl	82.0	%	30-120				
2,4,6-Tribromophenol	91.0	%	19-120				
4-Terphenyl-d14	108	%	18-120				
PAH by GC/MS SIM 8270M				1 8270C-M	1103 20:35	1106 18:40	RL
Acenaphthene	280	ug/kg	73				
2-Chloronaphthalene	ND	ug/kg	73.				
Fluoranthene	4900	ug/kg	73				
Hexachlorobutadiene	ND	ug/kg	180				
Naphthalene	110	ug/kg	73				
Benzo(a)anthracene	3500	ug/kg	73				
Benzo(a)pyrene	3200	ug/kg	73				
Benzo(b)fluoranthene	2300	ug/kg	73				
Benzo(k)fluoranthene	2200	ug/kg	73				
Chrysene	2400	ug/kg	73				
Acenaphthylene	140	ug/kg	73				
Anthracene	870	ug/kg	73				
Benzo(ghi)perylene	890	ug/kg	73				
Fluorene	240	ug/kg	73				
Phenanthrene	2900	ug/kg	73				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0615863-03
AK-SB-2 (1'-2')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
PAH by GC/MS SIM 8270M cont'd				1	8270C-M	1103 20:35	1106 18:40 RL
Dibenzo(a,h)anthracene	290	ug/kg	73				
Indeno(1,2,3-cd)Pyrene	1000	ug/kg	73				
Pyrene	5000	ug/kg	73				
1-Methylnaphthalene	ND	ug/kg	73.				
2-Methylnaphthalene	76	ug/kg	73				
Pentachlorophenol	ND	ug/kg	290				
Hexachlorobenzene	ND	ug/kg	290				
Perylene	510	ug/kg	73				
Biphenyl	ND	ug/kg	73.				
2,6-Dimethylnaphthalene	ND	ug/kg	73.				
1-Methylphenanthrene	340	ug/kg	73				
Benzo(e)Pyrene	1300	ug/kg	73				
Hexachloroethane	ND	ug/kg	290				
Surrogate(s)	Recovery		QC Criteria				
2-Fluorophenol	78.0	%	25-120				
Phenol-d6	120	%	10-120				
Nitrobenzene-d5	78.0	%	23-120				
2-Fluorobiphenyl	79.0	%	30-120				
2,4,6-Tribromophenol	94.0	%	19-120				
4-Terphenyl-d14	104	%	18-120				
Polychlorinated Biphenyls				1	8082	1103 16:00	1108 00:35 AK
Aroclor 1016	ND	ug/kg	36.6				
Aroclor 1221	ND	ug/kg	36.6				
Aroclor 1232	ND	ug/kg	36.6				
Aroclor 1242	ND	ug/kg	36.6				
Aroclor 1248	ND	ug/kg	36.6				
Aroclor 1254	ND	ug/kg	36.6				
Aroclor 1260	ND	ug/kg	36.6				
Surrogate(s)	Recovery		QC Criteria				
2,4,5,6-Tetrachloro-m-xylene	48.0	%	30-150				
Decachlorobiphenyl	36.0	%	30-150				
Organochlorine Pesticides				1	8081	1103 21:40	1108 05:24 JB
Delta-BHC	ND	ug/kg	36.6				
Lindane	ND	ug/kg	36.6				
Alpha-BHC	ND	ug/kg	36.6				
Beta-BHC	ND	ug/kg	36.6				
Heptachlor	ND	ug/kg	36.6				
Aldrin	ND	ug/kg	36.6				
Heptachlor epoxide	ND	ug/kg	36.6				
Endrin	ND	ug/kg	36.6				
Endrin aldehyde	ND	ug/kg	36.6				
Endrin ketone	ND	ug/kg	36.6				
Dieldrin	ND	ug/kg	36.6				
4,4'-DDE	ND	ug/kg	36.6				
4,4'-DDD	ND	ug/kg	36.6				

Comments: Complete list of References and Glossary of Terms found in Addendum I

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

Laboratory Sample Number: L0615863-03
AK-SB-2 (1'-2')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Organochlorine Pesticides cont'd				1 8081	1103 21:40	1108 05:24	JB
4,4'-DDT	ND	ug/kg	36.6				
Endosulfan I	ND	ug/kg	36.6				
Endosulfan II	ND	ug/kg	36.6				
Endosulfan sulfate	ND	ug/kg	36.6				
Methoxychlor	ND	ug/kg	146.				
Toxaphene	ND	ug/kg	146.				
Chlordane	ND	ug/kg	146.				
cis-Chlordane	ND	ug/kg	36.6				
trans-Chlordane	ND	ug/kg	36.6				
Surrogate(s)	Recovery			QC Criteria			
2,4,5,6-Tetrachloro-m-xylene	ND	%		30-150			
Decachlorobiphenyl	ND	%		30-150			

Comments: Complete list of References and Glossary of Terms found in Addendum I

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0615863-04	Date Collected: 01-NOV-2006 09:45
AK-SB-2 (9'-10')	Date Received : 02-NOV-2006
Sample Matrix: SOIL	Date Reported : 09-NOV-2006
Condition of Sample: Satisfactory	Field Prep: None
Number & Type of Containers: 1-Amber,1-Vial	

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Solids, Total	89	%	0.10	30 2540G		1107 12:01	PD
Total Metals				1 3051			
Aluminum, Total	5400	mg/kg	4.5	1 6010B	1103 18:30	1108 15:26	AI
Antimony, Total	2.7	mg/kg	2.2	1 6010B	1103 18:30	1108 15:26	AI
Arsenic, Total	5.2	mg/kg	0.45	1 6010B	1103 18:30	1108 15:26	AI
Barium, Total	330	mg/kg	0.45	1 6010B	1103 18:30	1108 15:26	AI
Beryllium, Total	ND	mg/kg	2.2	1 6010B	1103 18:30	1109 10:32	AI
Cadmium, Total	0.85	mg/kg	0.45	1 6010B	1103 18:30	1108 15:26	AI
Calcium, Total	49000	mg/kg	45	1 6010B	1103 18:30	1109 10:32	AI
Chromium, Total	25	mg/kg	0.45	1 6010B	1103 18:30	1108 15:26	AI
Cobalt, Total	5.2	mg/kg	0.89	1 6010B	1103 18:30	1108 15:26	AI
Copper, Total	140	mg/kg	0.45	1 6010B	1103 18:30	1108 15:26	AI
Iron, Total	10000	mg/kg	2.2	1 6010B	1103 18:30	1108 15:26	AI
Lead, Total	320	mg/kg	2.2	1 6010B	1103 18:30	1108 15:26	AI
Magnesium, Total	8600	mg/kg	4.5	1 6010B	1103 18:30	1108 15:26	AI
Manganese, Total	150	mg/kg	0.45	1 6010B	1103 18:30	1108 15:26	AI
Mercury, Total	ND	mg/kg	0.09	1 7471A	1106 16:25	1107 10:25	DM
Nickel, Total	14	mg/kg	1.1	1 6010B	1103 18:30	1108 15:26	AI
Potassium, Total	1600	mg/kg	110	1 6010B	1103 18:30	1108 15:26	AI
Selenium, Total	ND	mg/kg	0.89	1 6010B	1103 18:30	1108 15:26	AI
Silver, Total	ND	mg/kg	0.45	1 6010B	1103 18:30	1108 15:26	AI
Sodium, Total	240	mg/kg	89	1 6010B	1103 18:30	1108 15:26	AI
Thallium, Total	ND	mg/kg	0.45	1 6010B	1103 18:30	1108 15:26	AI
Vanadium, Total	25	mg/kg	0.45	1 6010B	1103 18:30	1108 15:26	AI
Zinc, Total	690	mg/kg	2.2	1 6010B	1103 18:30	1108 15:26	AI
Volatile Organics by GC/MS 8260				1 8260B		1107 18:57	RY
Methylene chloride	ND	ug/kg	28.				
1,1-Dichloroethane	ND	ug/kg	4.2				
Chloroform	ND	ug/kg	4.2				
Carbon tetrachloride	ND	ug/kg	2.8				
1,2-Dichloropropane	ND	ug/kg	9.8				
Dibromochloromethane	ND	ug/kg	2.8				
1,1,2-Trichloroethane	ND	ug/kg	4.2				
Tetrachloroethene	ND	ug/kg	2.8				
Chlorobenzene	ND	ug/kg	2.8				
Trichlorofluoromethane	ND	ug/kg	14.				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0615863-04
 AK-SB-2 (9'-10')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by GC/MS 8260 cont'd				1	8260B	1107	18:57 RY
1,2-Dichloroethane	ND	ug/kg	2.8				
1,1,1-Trichloroethane	ND	ug/kg	2.8				
Bromodichloromethane	ND	ug/kg	2.8				
trans-1,3-Dichloropropene	ND	ug/kg	2.8				
cis-1,3-Dichloropropene	ND	ug/kg	2.8				
1,1-Dichloropropene	ND	ug/kg	14.				
Bromoform	ND	ug/kg	11.				
1,1,2,2-Tetrachloroethane	ND	ug/kg	2.8				
Benzene	ND	ug/kg	2.8				
Toluene	ND	ug/kg	4.2				
Ethylbenzene	ND	ug/kg	2.8				
Chloromethane	ND	ug/kg	14.				
Bromomethane	ND	ug/kg	5.6				
Vinyl chloride	ND	ug/kg	5.6				
Chloroethane	ND	ug/kg	5.6				
1,1-Dichloroethene	ND	ug/kg	2.8				
trans-1,2-Dichloroethene	ND	ug/kg	4.2				
Trichloroethene	ND	ug/kg	2.8				
1,2-Dichlorobenzene	ND	ug/kg	14.				
1,3-Dichlorobenzene	ND	ug/kg	14.				
1,4-Dichlorobenzene	ND	ug/kg	14.				
Methyl tert butyl ether	ND	ug/kg	5.6				
p/m-Xylene	ND	ug/kg	5.6				
o-Xylene	ND	ug/kg	5.6				
cis-1,2-Dichloroethene	ND	ug/kg	2.8				
Dibromomethane	ND	ug/kg	28.				
1,4-Dichlorobutane	ND	ug/kg	28.				
Iodomethane	ND	ug/kg	28.				
1,2,3-Trichloropropane	ND	ug/kg	28.				
Styrene	ND	ug/kg	5.6				
Dichlorodifluoromethane	ND	ug/kg	28.				
Acetone	ND	ug/kg	28.				
Carbon disulfide	ND	ug/kg	28.				
2-Butanone	ND	ug/kg	28.				
Vinyl acetate	ND	ug/kg	28.				
4-Methyl-2-pentanone	ND	ug/kg	28.				
2-Hexanone	ND	ug/kg	28.				
Ethyl methacrylate	ND	ug/kg	28.				
Acrolein	ND	ug/kg	70.				
Acrylonitrile	ND	ug/kg	11.				
Bromochloromethane	ND	ug/kg	14.				
Tetrahydrofuran	ND	ug/kg	56.				
2,2-Dichloropropane	ND	ug/kg	14.				
1,2-Dibromoethane	ND	ug/kg	11.				
1,3-Dichloropropane	ND	ug/kg	14.				
1,1,1,2-Tetrachloroethane	ND	ug/kg	2.8				
Bromobenzene	ND	ug/kg	14.				
n-Butylbenzene	ND	ug/kg	2.8				
sec-Butylbenzene	ND	ug/kg	2.8				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0615863-04
AK-SB-2 (9'-10')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by GC/MS 8260 cont'd				1	8260B	1107	18:57 RY
tert-Butylbenzene	ND	ug/kg	14.				
o-Chlorotoluene	ND	ug/kg	14.				
p-Chlorotoluene	ND	ug/kg	14.				
1,2-Dibromo-3-chloropropane	ND	ug/kg	14.				
Hexachlorobutadiene	ND	ug/kg	14.				
Isopropylbenzene	ND	ug/kg	2.8				
p-Isopropyltoluene	ND	ug/kg	2.8				
Naphthalene	ND	ug/kg	14.				
n-Propylbenzene	ND	ug/kg	2.8				
1,2,3-Trichlorobenzene	ND	ug/kg	14.				
1,2,4-Trichlorobenzene	ND	ug/kg	14.				
1,3,5-Trimethylbenzene	ND	ug/kg	14.				
1,2,4-Trimethylbenzene	ND	ug/kg	14.				
trans-1,4-Dichloro-2-butene	ND	ug/kg	14.				
Ethyl ether	ND	ug/kg	14.				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	105	%	70-130				
Toluene-d8	95.0	%	70-130				
4-Bromofluorobenzene	106	%	70-130				
Dibromofluoromethane	99.0	%	70-130				
SVOC's by GC/MS 8270				1	8270C	1103	20:35 1107 19:06 RL
Acenaphthene	ND	ug/kg	1900				
Benzidine	ND	ug/kg	19000				
1,2,4-Trichlorobenzene	ND	ug/kg	1900				
Hexachlorobenzene	ND	ug/kg	1900				
Bis(2-chloroethyl)ether	ND	ug/kg	1900				
1-Chloronaphthalene	ND	ug/kg	1900				
2-Chloronaphthalene	ND	ug/kg	2200				
1,2-Dichlorobenzene	ND	ug/kg	1900				
1,3-Dichlorobenzene	ND	ug/kg	1900				
1,4-Dichlorobenzene	ND	ug/kg	1900				
3,3'-Dichlorobenzidine	ND	ug/kg	3700				
2,4-Dinitrotoluene	ND	ug/kg	1900				
2,6-Dinitrotoluene	ND	ug/kg	1900				
Azobenzene	ND	ug/kg	1900				
Fluoranthene	19000	ug/kg	1900				
4-Chlorophenyl phenyl ether	ND	ug/kg	1900				
4-Bromophenyl phenyl ether	ND	ug/kg	1900				
Bis(2-chloroisopropyl)ether	ND	ug/kg	1900				
Bis(2-chloroethoxy)methane	ND	ug/kg	1900				
Hexachlorobutadiene	ND	ug/kg	3700				
Hexachlorocyclopentadiene	ND	ug/kg	3700				
Hexachloroethane	ND	ug/kg	1900				
Isophorone	ND	ug/kg	1900				
Naphthalene	ND	ug/kg	1900				
Nitrobenzene	ND	ug/kg	1900				
NDPA/DPA	ND	ug/kg	5600				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0615863-04
 AK-SB-2 (9'-10')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
SVOC's by GC/MS 8270 cont'd				1 8270C	1103 20:35	1107 19:06	RL
n-Nitrosodi-n-propylamine	ND	ug/kg	1900				
Bis(2-ethylhexyl)phthalate	ND	ug/kg	3700				
Butyl benzyl phthalate	ND	ug/kg	1900				
Di-n-butylphthalate	ND	ug/kg	1900				
Di-n-octylphthalate	ND	ug/kg	1900				
Diethyl phthalate	ND	ug/kg	1900				
Dimethyl phthalate	ND	ug/kg	1900				
Benzo(a)anthracene	7600	ug/kg	1900				
Benzo(a)pyrene	6900	ug/kg	1900				
Benzo(b)fluoranthene	6900	ug/kg	1900				
Benzo(k)fluoranthene	5700	ug/kg	1900				
Chrysene	8000	ug/kg	1900				
Acenaphthylene	ND	ug/kg	1900				
Anthracene	2100	ug/kg	1900				
Benzo(ghi)perylene	4500	ug/kg	1900				
Fluorene	ND	ug/kg	1900				
Phenanthrene	9800	ug/kg	1900				
Dibenzo(a,h)anthracene	ND	ug/kg	1900				
Indeno(1,2,3-cd)pyrene	5200	ug/kg	1900				
Pyrene	16000	ug/kg	1900				
Benzo(e)pyrene	4800	ug/kg	1900				
Biphenyl	ND	ug/kg	1900				
Perylene	ND	ug/kg	1900				
Aniline	ND	ug/kg	3700				
4-Chloroaniline	ND	ug/kg	1900				
1-Methylnaphthalene	ND	ug/kg	1900				
2-Nitroaniline	ND	ug/kg	1900				
3-Nitroaniline	ND	ug/kg	1900				
4-Nitroaniline	ND	ug/kg	2600				
Dibenzofuran	ND	ug/kg	1900				
a,a-Dimethylphenethylamine	ND	ug/kg	19000				
Hexachloropropene	ND	ug/kg	3700				
Nitrosodi-n-butylamine	ND	ug/kg	3700				
2-Methylnaphthalene	ND	ug/kg	1900				
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	7500				
Pentachlorobenzene	ND	ug/kg	7500				
a-Naphthylamine	ND	ug/kg	7500				
b-Naphthylamine	ND	ug/kg	7500				
Phenacetin	ND	ug/kg	3700				
Dimethoate	ND	ug/kg	7500				
4-Aminobiphenyl	ND	ug/kg	3700				
Pentachloronitrobenzene	ND	ug/kg	3700				
Isodrin	ND	ug/kg	3700				
p-Dimethylaminoazobenzene	ND	ug/kg	3700				
Chlorobenzilate	ND	ug/kg	7500				
3-Methylcholanthrene	ND	ug/kg	7500				
Ethyl Methanesulfonate	ND	ug/kg	5600				
Acetophenone	ND	ug/kg	7500				
Nitrosodipiperidine	ND	ug/kg	7500				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0615863-04
 AK-SB-2 (9'-10')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
SVOC's by GC/MS 8270 cont'd				1 8270C	1103 20:35	1107 19:06	RL
7,12-Dimethylbenz(a)anthracene	ND	ug/kg	3700				
n-Nitrosodimethylamine	ND	ug/kg	19000				
2,4,6-Trichlorophenol	ND	ug/kg	1900				
p-Chloro-m-cresol	ND	ug/kg	1900				
2-Chlorophenol	ND	ug/kg	2200				
2,4-Dichlorophenol	ND	ug/kg	3700				
2,4-Dimethylphenol	ND	ug/kg	1900				
2-Nitrophenol	ND	ug/kg	7500				
4-Nitrophenol	ND	ug/kg	3700				
2,4-Dinitrophenol	ND	ug/kg	7500				
4,6-Dinitro-o-cresol	ND	ug/kg	7500				
Pentachlorophenol	ND	ug/kg	7500				
Phenol	ND	ug/kg	2600				
2-Methylphenol	ND	ug/kg	2200				
3-Methylphenol/4-Methylphenol	ND	ug/kg	2200				
2,4,5-Trichlorophenol	ND	ug/kg	1900				
2,6-Dichlorophenol	ND	ug/kg	3700				
Benzoic Acid	ND	ug/kg	19000				
Benzyl Alcohol	ND	ug/kg	3700				
Carbazole	ND	ug/kg	1900				
Pyridine	ND	ug/kg	19000				
2-Picoline	ND	ug/kg	7500				
Pronamide	ND	ug/kg	7500				
Methyl methanesulfonate	ND	ug/kg	7500				
Surrogate(s)	Recovery		QC Criteria				
2-Fluorophenol	67.0	%	25-120				
Phenol-d6	100	%	10-120				
Nitrobenzene-d5	72.0	%	23-120				
2-Fluorobiphenyl	79.0	%	30-120				
2,4,6-Tribromophenol	87.0	%	19-120				
4-Terphenyl-d14	96.0	%	18-120				
PAH by GC/MS SIM 8270M				1 8270C-M	1103 20:35	1108 02:13	RL
Acenaphthene	490	ug/kg	300				
2-Chloronaphthalene	ND	ug/kg	300				
Fluoranthene	20000	ug/kg	300				
Hexachlorobutadiene	ND	ug/kg	750				
Naphthalene	440	ug/kg	300				
Benzo(a)anthracene	11000	ug/kg	300				
Benzo(a)pyrene	6400	ug/kg	300				
Benzo(b)fluoranthene	9500	ug/kg	300				
Benzo(k)fluoranthene	8300	ug/kg	300				
Chrysene	9700	ug/kg	300				
Acenaphthylene	ND	ug/kg	300				
Anthracene	2600	ug/kg	300				
Benzo(ghi)perylene	5200	ug/kg	300				
Fluorene	610	ug/kg	300				
Phenanthrene	10000	ug/kg	300				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0615863-04
 AK-SB-2 (9'-10')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
PAH by GC/MS SIM 8270M cont'd				1	8270C-M	1103 20:35	1108 02:13 RL
Dibenzo(a,h)anthracene	1200	ug/kg	300				
Indeno(1,2,3-cd)Pyrene	4400	ug/kg	300				
Pyrene	17000	ug/kg	300				
1-Methylnaphthalene	ND	ug/kg	300				
2-Methylnaphthalene	ND	ug/kg	300				
Pentachlorophenol	ND	ug/kg	1200				
Hexachlorobenzene	ND	ug/kg	1200				
Perylene	1900	ug/kg	300				
Biphenyl	ND	ug/kg	300				
2,6-Dimethylnaphthalene	ND	ug/kg	300				
1-Methylphenanthrene	1300	ug/kg	300				
Benzo(e)Pyrene	6300	ug/kg	300				
Hexachloroethane	ND	ug/kg	1200				
Surrogate(s)	Recovery		QC Criteria				
2-Fluorophenol	66.0	%	25-120				
Phenol-d6	100	%	10-120				
Nitrobenzene-d5	74.0	%	23-120				
2-Fluorobiphenyl	78.0	%	30-120				
2,4,6-Tribromophenol	86.0	%	19-120				
4-Terphenyl-d14	96.0	%	18-120				
Polychlorinated Biphenyls				1	8082	1103 16:00	1108 01:04 AK
Aroclor 1016	ND	ug/kg	37.4				
Aroclor 1221	ND	ug/kg	37.4				
Aroclor 1232	ND	ug/kg	37.4				
Aroclor 1242	ND	ug/kg	37.4				
Aroclor 1248	ND	ug/kg	37.4				
Aroclor 1254	81.6	ug/kg	37.4				
Aroclor 1260	43.3	ug/kg	37.4				
Surrogate(s)	Recovery		QC Criteria				
2,4,5,6-Tetrachloro-m-xylene	47.0	%	30-150				
Decachlorobiphenyl	41.0	%	30-150				
Organochlorine Pesticides				1	8081	1103 21:40	1108 01:06 JB
4,4'-DDT	180	ug/kg	74.9				
Organochlorine Pesticides				1	8081	1103 21:40	1108 05:52 JB
Delta-BHC	ND	ug/kg	18.7				
Lindane	ND	ug/kg	18.7				
Alpha-BHC	ND	ug/kg	18.7				
Beta-BHC	ND	ug/kg	18.7				
Heptachlor	ND	ug/kg	18.7				
Aldrin	ND	ug/kg	18.7				
Heptachlor epoxide	ND	ug/kg	18.7				
Endrin	ND	ug/kg	18.7				
Endrin aldehyde	ND	ug/kg	18.7				
Endrin ketone	ND	ug/kg	18.7				

Comments: Complete list of References and Glossary of Terms found in Addendum I

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

Laboratory Sample Number: L0615863-04
AK-SB-2 (9'-10')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Organochlorine Pesticides cont'd				1 8081	1103 21:40	1108 05:52	JB
Dieldrin	ND	ug/kg	18.7				
4,4'-DDE	19.8	ug/kg	18.7				
4,4'-DDD	24.2	ug/kg	18.7				
4,4'-DDT	>213	ug/kg	18.7				
Endosulfan I	ND	ug/kg	18.7				
Endosulfan II	ND	ug/kg	18.7				
Endosulfan sulfate	ND	ug/kg	18.7				
Methoxychlor	ND	ug/kg	74.9				
Toxaphene	ND	ug/kg	74.9				
Chlordane	ND	ug/kg	74.9				
cis-Chlordane	ND	ug/kg	18.7				
trans-Chlordane	ND	ug/kg	18.7				
Surrogate(s)	Recovery			QC Criteria			
2,4,5,6-Tetrachloro-m-xylene	70.0	%		30-150			
Decachlorobiphenyl	127	%		30-150			

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0615863-05	Date Collected: 01-NOV-2006 10:05
AK-SB-3 (2'-3')	Date Received : 02-NOV-2006
Sample Matrix: SOIL	Date Reported : 09-NOV-2006
Condition of Sample: Satisfactory	Field Prep: None
Number & Type of Containers: 1-Amber,1-Vial	

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Solids, Total	90	%	0.10	30 2540G			1107 12:01 PD
Total Metals				1 3051			
Aluminum, Total	4800	mg/kg	4.4	1 6010B	1103 18:30	1108 15:30	AI
Antimony, Total	ND	mg/kg	2.2	1 6010B	1103 18:30	1108 15:30	AI
Arsenic, Total	4.7	mg/kg	0.44	1 6010B	1103 18:30	1108 15:30	AI
Barium, Total	96	mg/kg	0.44	1 6010B	1103 18:30	1108 15:30	AI
Beryllium, Total	ND	mg/kg	0.22	1 6010B	1103 18:30	1108 15:30	AI
Cadmium, Total	0.71	mg/kg	0.44	1 6010B	1103 18:30	1108 15:30	AI
Calcium, Total	41000	mg/kg	44	1 6010B	1103 18:30	1109 10:36	AI
Chromium, Total	13	mg/kg	0.44	1 6010B	1103 18:30	1108 15:30	AI
Cobalt, Total	4.9	mg/kg	0.87	1 6010B	1103 18:30	1108 15:30	AI
Copper, Total	81	mg/kg	0.44	1 6010B	1103 18:30	1108 15:30	AI
Iron, Total	14000	mg/kg	2.2	1 6010B	1103 18:30	1108 15:30	AI
Lead, Total	220	mg/kg	2.2	1 6010B	1103 18:30	1108 15:30	AI
Magnesium, Total	16000	mg/kg	44	1 6010B	1103 18:30	1109 10:36	AI
Manganese, Total	190	mg/kg	0.44	1 6010B	1103 18:30	1108 15:30	AI
Mercury, Total	0.43	mg/kg	0.09	1 7471A	1106 16:25	1107 10:27	DM
Nickel, Total	12	mg/kg	1.1	1 6010B	1103 18:30	1108 15:30	AI
Potassium, Total	1200	mg/kg	110	1 6010B	1103 18:30	1108 15:30	AI
Selenium, Total	ND	mg/kg	0.87	1 6010B	1103 18:30	1108 15:30	AI
Silver, Total	ND	mg/kg	0.44	1 6010B	1103 18:30	1108 15:30	AI
Sodium, Total	150	mg/kg	87	1 6010B	1103 18:30	1108 15:30	AI
Thallium, Total	ND	mg/kg	0.44	1 6010B	1103 18:30	1108 15:30	AI
Vanadium, Total	27	mg/kg	0.44	1 6010B	1103 18:30	1108 15:30	AI
Zinc, Total	320	mg/kg	2.2	1 6010B	1103 18:30	1108 15:30	AI
Volatile Organics by GC/MS 8260				1 8260B			1107 19:32 RY
Methylene chloride	ND	ug/kg	28.				
1,1-Dichloroethane	ND	ug/kg	4.2				
Chloroform	ND	ug/kg	4.2				
Carbon tetrachloride	ND	ug/kg	2.8				
1,2-Dichloropropane	ND	ug/kg	9.7				
Dibromochloromethane	ND	ug/kg	2.8				
1,1,2-Trichloroethane	ND	ug/kg	4.2				
Tetrachloroethene	ND	ug/kg	2.8				
Chlorobenzene	ND	ug/kg	2.8				
Trichlorofluoromethane	ND	ug/kg	14.				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0615863-05
 AK-SB-3 (2'-3')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by GC/MS 8260 cont'd				1	8260B	1107 19:32 RY	
1,2-Dichloroethane	ND	ug/kg	2.8				
1,1,1-Trichloroethane	ND	ug/kg	2.8				
Bromodichloromethane	ND	ug/kg	2.8				
trans-1,3-Dichloropropene	ND	ug/kg	2.8				
cis-1,3-Dichloropropene	ND	ug/kg	2.8				
1,1-Dichloropropene	ND	ug/kg	14.				
Bromoform	ND	ug/kg	11.				
1,1,2,2-Tetrachloroethane	ND	ug/kg	2.8				
Benzene	ND	ug/kg	2.8				
Toluene	ND	ug/kg	4.2				
Ethylbenzene	ND	ug/kg	2.8				
Chloromethane	ND	ug/kg	14.				
Bromomethane	ND	ug/kg	5.6				
Vinyl chloride	ND	ug/kg	5.6				
Chloroethane	ND	ug/kg	5.6				
1,1-Dichloroethene	ND	ug/kg	2.8				
trans-1,2-Dichloroethene	ND	ug/kg	4.2				
Trichloroethene	ND	ug/kg	2.8				
1,2-Dichlorobenzene	ND	ug/kg	14.				
1,3-Dichlorobenzene	ND	ug/kg	14.				
1,4-Dichlorobenzene	ND	ug/kg	14.				
Methyl tert butyl ether	ND	ug/kg	5.6				
p/m-Xylene	ND	ug/kg	5.6				
o-Xylene	ND	ug/kg	5.6				
cis-1,2-Dichloroethene	ND	ug/kg	2.8				
Dibromomethane	ND	ug/kg	28.				
1,4-Dichlorobutane	ND	ug/kg	28.				
Iodomethane	ND	ug/kg	28.				
1,2,3-Trichloropropane	ND	ug/kg	28.				
Styrene	ND	ug/kg	5.6				
Dichlorodifluoromethane	ND	ug/kg	28.				
Acetone	ND	ug/kg	28.				
Carbon disulfide	ND	ug/kg	28.				
2-Butanone	ND	ug/kg	28.				
Vinyl acetate	ND	ug/kg	28.				
4-Methyl-2-pentanone	ND	ug/kg	28.				
2-Hexanone	ND	ug/kg	28.				
Ethyl methacrylate	ND	ug/kg	28.				
Acrolein	ND	ug/kg	69.				
Acrylonitrile	ND	ug/kg	11.				
Bromochloromethane	ND	ug/kg	14.				
Tetrahydrofuran	ND	ug/kg	56.				
2,2-Dichloropropane	ND	ug/kg	14.				
1,2-Dibromoethane	ND	ug/kg	11.				
1,3-Dichloropropane	ND	ug/kg	14.				
1,1,1,2-Tetrachloroethane	ND	ug/kg	2.8				
Bromobenzene	ND	ug/kg	14.				
n-Butylbenzene	ND	ug/kg	2.8				
sec-Butylbenzene	ND	ug/kg	2.8				

Comments: Complete list of References and Glossary of Terms found in Addendum I

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

Laboratory Sample Number: L0615863-05
AK-SB-3 (2'-3')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by GC/MS 8260 cont'd				1	8260B	1107	19:32 RY
tert-Butylbenzene	ND	ug/kg	14.				
o-Chlorotoluene	ND	ug/kg	14.				
p-Chlorotoluene	ND	ug/kg	14.				
1,2-Dibromo-3-chloropropane	ND	ug/kg	14.				
Hexachlorobutadiene	ND	ug/kg	14.				
Isopropylbenzene	ND	ug/kg	2.8				
p-Isopropyltoluene	ND	ug/kg	2.8				
Naphthalene	23	ug/kg	14				
n-Propylbenzene	ND	ug/kg	2.8				
1,2,3-Trichlorobenzene	ND	ug/kg	14.				
1,2,4-Trichlorobenzene	ND	ug/kg	14.				
1,3,5-Trimethylbenzene	ND	ug/kg	14.				
1,2,4-Trimethylbenzene	ND	ug/kg	14.				
trans-1,4-Dichloro-2-butene	ND	ug/kg	14.				
Ethyl ether	ND	ug/kg	14.				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	112	%	70-130				
Toluene-d8	98.0	%	70-130				
4-Bromofluorobenzene	122	%	70-130				
Dibromofluoromethane	102	%	70-130				
SVOC's by GC/MS 8270				1	8270C	1103	20:35 1106 17:40 RL
Acenaphthene	ND	ug/kg	1800				
Benzidine	ND	ug/kg	18000				
1,2,4-Trichlorobenzene	ND	ug/kg	1800				
Hexachlorobenzene	ND	ug/kg	1800				
Bis(2-chloroethyl)ether	ND	ug/kg	1800				
1-Chloronaphthalene	ND	ug/kg	1800				
2-Chloronaphthalene	ND	ug/kg	2200				
1,2-Dichlorobenzene	ND	ug/kg	1800				
1,3-Dichlorobenzene	ND	ug/kg	1800				
1,4-Dichlorobenzene	ND	ug/kg	1800				
3,3'-Dichlorobenzidine	ND	ug/kg	3700				
2,4-Dinitrotoluene	ND	ug/kg	1800				
2,6-Dinitrotoluene	ND	ug/kg	1800				
Azobenzene	ND	ug/kg	1800				
Fluoranthene	24000	ug/kg	1800				
4-Chlorophenyl phenyl ether	ND	ug/kg	1800				
4-Bromophenyl phenyl ether	ND	ug/kg	1800				
Bis(2-chloroisopropyl)ether	ND	ug/kg	1800				
Bis(2-chloroethoxy)methane	ND	ug/kg	1800				
Hexachlorobutadiene	ND	ug/kg	3700				
Hexachlorocyclopentadiene	ND	ug/kg	3700				
Hexachloroethane	ND	ug/kg	1800				
Isophorone	ND	ug/kg	1800				
Naphthalene	ND	ug/kg	1800				
Nitrobenzene	ND	ug/kg	1800				
NDPA/DPA	ND	ug/kg	5600				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0615863-05
 AK-SB-3 (2'-3')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
SVOC's by GC/MS 8270 cont'd				1 8270C	1103 20:35	1106 17:40	RL
n-Nitrosodi-n-propylamine	ND	ug/kg	1800				
Bis(2-ethylhexyl)phthalate	ND	ug/kg	3700				
Butyl benzyl phthalate	ND	ug/kg	1800				
Di-n-butylphthalate	ND	ug/kg	1800				
Di-n-octylphthalate	ND	ug/kg	1800				
Diethyl phthalate	ND	ug/kg	1800				
Dimethyl phthalate	ND	ug/kg	1800				
Benzo(a)anthracene	10000	ug/kg	1800				
Benzo(a)pyrene	9600	ug/kg	1800				
Benzo(b)fluoranthene	8900	ug/kg	1800				
Benzo(k)fluoranthene	7400	ug/kg	1800				
Chrysene	9900	ug/kg	1800				
Acenaphthylene	ND	ug/kg	1800				
Anthracene	3800	ug/kg	1800				
Benzo(ghi)perylene	6300	ug/kg	1800				
Fluorene	ND	ug/kg	1800				
Phenanthrene	14000	ug/kg	1800				
Dibenzo(a,h)anthracene	ND	ug/kg	1800				
Indeno(1,2,3-cd)pyrene	6800	ug/kg	1800				
Pyrene	20000	ug/kg	1800				
Benzo(e)pyrene	6200	ug/kg	1800				
Biphenyl	ND	ug/kg	1800				
Perylene	2500	ug/kg	1800				
Aniline	ND	ug/kg	3700				
4-Chloroaniline	ND	ug/kg	1800				
1-Methylnaphthalene	ND	ug/kg	1800				
2-Nitroaniline	ND	ug/kg	1800				
3-Nitroaniline	ND	ug/kg	1800				
4-Nitroaniline	ND	ug/kg	2600				
Dibenzofuran	ND	ug/kg	1800				
a,a-Dimethylphenethylamine	ND	ug/kg	18000				
Hexachloropropene	ND	ug/kg	3700				
Nitrosodi-n-butylamine	ND	ug/kg	3700				
2-Methylnaphthalene	ND	ug/kg	1800				
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	7400				
Pentachlorobenzene	ND	ug/kg	7400				
a-Naphthylamine	ND	ug/kg	7400				
b-Naphthylamine	ND	ug/kg	7400				
Phenacetin	ND	ug/kg	3700				
Dimethoate	ND	ug/kg	7400				
4-Aminobiphenyl	ND	ug/kg	3700				
Pentachloronitrobenzene	ND	ug/kg	3700				
Isodrin	ND	ug/kg	3700				
p-Dimethylaminoazobenzene	ND	ug/kg	3700				
Chlorobenzilate	ND	ug/kg	7400				
3-Methylcholanthrene	ND	ug/kg	7400				
Ethyl Methanesulfonate	ND	ug/kg	5600				
Acetophenone	ND	ug/kg	7400				
Nitrosodipiperidine	ND	ug/kg	7400				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0615863-05
AK-SB-3 (2'-3')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
SVOC's by GC/MS 8270 cont'd				1 8270C	1103 20:35	1106 17:40	RL
7,12-Dimethylbenz(a)anthracene	ND	ug/kg	3700				
n-Nitrosodimethylamine	ND	ug/kg	18000				
2,4,6-Trichlorophenol	ND	ug/kg	1800				
p-Chloro-m-cresol	ND	ug/kg	1800				
2-Chlorophenol	ND	ug/kg	2200				
2,4-Dichlorophenol	ND	ug/kg	3700				
2,4-Dimethylphenol	ND	ug/kg	1800				
2-Nitrophenol	ND	ug/kg	7400				
4-Nitrophenol	ND	ug/kg	3700				
2,4-Dinitrophenol	ND	ug/kg	7400				
4,6-Dinitro-o-cresol	ND	ug/kg	7400				
Pentachlorophenol	ND	ug/kg	7400				
Phenol	ND	ug/kg	2600				
2-Methylphenol	ND	ug/kg	2200				
3-Methylphenol/4-Methylphenol	ND	ug/kg	2200				
2,4,5-Trichlorophenol	ND	ug/kg	1800				
2,6-Dichlorophenol	ND	ug/kg	3700				
Benzoic Acid	ND	ug/kg	18000				
Benzyl Alcohol	ND	ug/kg	3700				
Carbazole	ND	ug/kg	1800				
Pyridine	ND	ug/kg	18000				
2-Picoline	ND	ug/kg	7400				
Pronamide	ND	ug/kg	7400				
Methyl methanesulfonate	ND	ug/kg	7400				
Surrogate(s)	Recovery		QC Criteria				
2-Fluorophenol	78.0	%	25-120				
Phenol-d6	116	%	10-120				
Nitrobenzene-d5	91.0	%	23-120				
2-Fluorobiphenyl	87.0	%	30-120				
2,4,6-Tribromophenol	85.0	%	19-120				
4-Terphenyl-d14	97.0	%	18-120				
PAH by GC/MS SIM 8270M				1 8270C-M	1103 20:35	1106 18:12	RL
Acenaphthene	1300	ug/kg	300				
2-Chloronaphthalene	ND	ug/kg	300				
Fluoranthene	36000	ug/kg	300				
Hexachlorobutadiene	ND	ug/kg	740				
Naphthalene	850	ug/kg	300				
Benzo(a)anthracene	15000	ug/kg	300				
Benzo(a)pyrene	16000	ug/kg	300				
Benzo(b)fluoranthene	16000	ug/kg	300				
Benzo(k)fluoranthene	12000	ug/kg	300				
Chrysene	11000	ug/kg	300				
Acenaphthylene	1700	ug/kg	300				
Anthracene	5300	ug/kg	300				
Benzo(ghi)perylene	7800	ug/kg	300				
Fluorene	1400	ug/kg	300				
Phenanthrene	13000	ug/kg	300				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0615863-05
 AK-SB-3 (2'-3')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
PAH by GC/MS SIM 8270M cont'd				1	8270C-M	1103 20:35	1106 18:12 RL
Dibenzo(a,h)anthracene	1900	ug/kg	300				
Indeno(1,2,3-cd)Pyrene	6800	ug/kg	300				
Pyrene	31000	ug/kg	300				
1-Methylnaphthalene	ND	ug/kg	300				
2-Methylnaphthalene	380	ug/kg	300				
Pentachlorophenol	ND	ug/kg	1200				
Hexachlorobenzene	ND	ug/kg	1200				
Perylene	2600	ug/kg	300				
Biphenyl	ND	ug/kg	300				
2,6-Dimethylnaphthalene	ND	ug/kg	300				
1-Methylphenanthrene	1800	ug/kg	300				
Benzo(e)Pyrene	8700	ug/kg	300				
Hexachloroethane	ND	ug/kg	1200				
Surrogate(s)	Recovery						QC Criteria
2-Fluorophenol	91.0	%					25-120
Phenol-d6	113	%					10-120
Nitrobenzene-d5	96.0	%					23-120
2-Fluorobiphenyl	104	%					30-120
2,4,6-Tribromophenol	89.0	%					19-120
4-Terphenyl-d14	113	%					18-120
Polychlorinated Biphenyls				1	8082	1103 16:00	1108 01:32 AK
Aroclor 1016	ND	ug/kg	37.0				
Aroclor 1221	ND	ug/kg	37.0				
Aroclor 1232	ND	ug/kg	37.0				
Aroclor 1242	ND	ug/kg	37.0				
Aroclor 1248	ND	ug/kg	37.0				
Aroclor 1254	600	ug/kg	37.0				
Aroclor 1260	214	ug/kg	37.0				
Surrogate(s)	Recovery						QC Criteria
2,4,5,6-Tetrachloro-m-xylene	58.0	%					30-150
Decachlorobiphenyl	59.0	%					30-150
Organochlorine Pesticides				1	8081	1103 21:40	1108 06:21 JB
Delta-BHC	ND	ug/kg	148.				
Lindane	ND	ug/kg	148.				
Alpha-BHC	ND	ug/kg	148.				
Beta-BHC	ND	ug/kg	148.				
Heptachlor	ND	ug/kg	148.				
Aldrin	ND	ug/kg	148.				
Heptachlor epoxide	ND	ug/kg	148.				
Endrin	ND	ug/kg	148.				
Endrin aldehyde	ND	ug/kg	148.				
Endrin ketone	ND	ug/kg	148.				
Dieldrin	ND	ug/kg	148.				
4,4'-DDE	ND	ug/kg	148.				
4,4'-DDD	ND	ug/kg	148.				

Comments: Complete list of References and Glossary of Terms found in Addendum I

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

Laboratory Sample Number: L0615863-05
AK-SB-3 (2'-3')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Organochlorine Pesticides cont'd				1 8081	1103 21:40	1108 06:21	JB
4,4'-DDT	171	ug/kg	148				
Endosulfan I	ND	ug/kg	148.				
Endosulfan II	ND	ug/kg	148.				
Endosulfan sulfate	ND	ug/kg	148.				
Methoxychlor	ND	ug/kg	592.				
Toxaphene	ND	ug/kg	592.				
Chlordane	ND	ug/kg	592.				
cis-Chlordane	ND	ug/kg	148.				
trans-Chlordane	ND	ug/kg	148.				
Surrogate(s)	Recovery			QC Criteria			
2,4,5,6-Tetrachloro-m-xylene	ND	%		30-150			
Decachlorobiphenyl	ND	%		30-150			

Comments: Complete list of References and Glossary of Terms found in Addendum I

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0615863-06	Date Collected: 01-NOV-2006 10:25
AK-SB-3 (9'-10')	Date Received : 02-NOV-2006
Sample Matrix: SOIL	Date Reported : 09-NOV-2006
Condition of Sample: Satisfactory	Field Prep: None

Number & Type of Containers: 1-Amber,1-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Solids, Total	82	%	0.10	30 2540G		1107 12:01	PD
Total Metals				1 3051			
Aluminum, Total	3500	mg/kg	4.8	1 6010B	1103 18:30	1108 15:34	AI
Antimony, Total	ND	mg/kg	2.4	1 6010B	1103 18:30	1108 15:34	AI
Arsenic, Total	11	mg/kg	0.48	1 6010B	1103 18:30	1108 15:34	AI
Barium, Total	32	mg/kg	0.48	1 6010B	1103 18:30	1108 15:34	AI
Beryllium, Total	0.67	mg/kg	0.24	1 6010B	1103 18:30	1108 15:34	AI
Cadmium, Total	1.3	mg/kg	0.48	1 6010B	1103 18:30	1108 15:34	AI
Calcium, Total	6200	mg/kg	4.8	1 6010B	1103 18:30	1108 15:34	AI
Chromium, Total	10	mg/kg	0.48	1 6010B	1103 18:30	1108 15:34	AI
Cobalt, Total	20	mg/kg	0.97	1 6010B	1103 18:30	1108 15:34	AI
Copper, Total	54	mg/kg	0.48	1 6010B	1103 18:30	1108 15:34	AI
Iron, Total	74000	mg/kg	24	1 6010B	1103 18:30	1109 10:39	AI
Lead, Total	86	mg/kg	2.4	1 6010B	1103 18:30	1108 15:34	AI
Magnesium, Total	450	mg/kg	4.8	1 6010B	1103 18:30	1108 15:34	AI
Manganese, Total	1300	mg/kg	4.8	1 6010B	1103 18:30	1109 10:39	AI
Mercury, Total	0.20	mg/kg	0.10	1 7471A	1106 16:25	1107 10:32	DM
Nickel, Total	26	mg/kg	1.2	1 6010B	1103 18:30	1108 15:34	AI
Potassium, Total	150	mg/kg	120	1 6010B	1103 18:30	1108 15:34	AI
Selenium, Total	ND	mg/kg	0.97	1 6010B	1103 18:30	1108 15:34	AI
Silver, Total	ND	mg/kg	0.48	1 6010B	1103 18:30	1108 15:34	AI
Sodium, Total	170	mg/kg	97	1 6010B	1103 18:30	1108 15:34	AI
Thallium, Total	ND	mg/kg	0.48	1 6010B	1103 18:30	1108 15:34	AI
Vanadium, Total	37	mg/kg	0.48	1 6010B	1103 18:30	1108 15:34	AI
Zinc, Total	1600	mg/kg	24	1 6010B	1103 18:30	1109 10:39	AI
Volatile Organics by GC/MS 8260				1 8260B		1107 20:08	RY
Methylene chloride	ND	ug/kg	30.				
1,1-Dichloroethane	ND	ug/kg	4.6				
Chloroform	ND	ug/kg	4.6				
Carbon tetrachloride	ND	ug/kg	3.0				
1,2-Dichloropropane	ND	ug/kg	11.				
Dibromochloromethane	ND	ug/kg	3.0				
1,1,2-Trichloroethane	ND	ug/kg	4.6				
Tetrachloroethene	ND	ug/kg	3.0				
Chlorobenzene	ND	ug/kg	3.0				
Trichlorofluoromethane	ND	ug/kg	15.				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0615863-06
AK-SB-3 (9'-10')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by GC/MS 8260 cont'd				1	8260B	1107	20:08 RY
1,2-Dichloroethane	ND	ug/kg	3.0				
1,1,1-Trichloroethane	ND	ug/kg	3.0				
Bromodichloromethane	ND	ug/kg	3.0				
trans-1,3-Dichloropropene	ND	ug/kg	3.0				
cis-1,3-Dichloropropene	ND	ug/kg	3.0				
1,1-Dichloropropene	ND	ug/kg	15.				
Bromoform	ND	ug/kg	12.				
1,1,2,2-Tetrachloroethane	ND	ug/kg	3.0				
Benzene	ND	ug/kg	3.0				
Toluene	ND	ug/kg	4.6				
Ethylbenzene	ND	ug/kg	3.0				
Chloromethane	ND	ug/kg	15.				
Bromomethane	ND	ug/kg	6.1				
Vinyl chloride	ND	ug/kg	6.1				
Chloroethane	ND	ug/kg	6.1				
1,1-Dichloroethene	ND	ug/kg	3.0				
trans-1,2-Dichloroethene	ND	ug/kg	4.6				
Trichloroethene	ND	ug/kg	3.0				
1,2-Dichlorobenzene	ND	ug/kg	15.				
1,3-Dichlorobenzene	ND	ug/kg	15.				
1,4-Dichlorobenzene	ND	ug/kg	15.				
Methyl tert butyl ether	ND	ug/kg	6.1				
p/m-Xylene	ND	ug/kg	6.1				
o-Xylene	ND	ug/kg	6.1				
cis-1,2-Dichloroethene	ND	ug/kg	3.0				
Dibromomethane	ND	ug/kg	30.				
1,4-Dichlorobutane	ND	ug/kg	30.				
Iodomethane	ND	ug/kg	30.				
1,2,3-Trichloropropane	ND	ug/kg	30.				
Styrene	ND	ug/kg	6.1				
Dichlorodifluoromethane	ND	ug/kg	30.				
Acetone	130	ug/kg	30				
Carbon disulfide	ND	ug/kg	30.				
2-Butanone	32	ug/kg	30				
Vinyl acetate	ND	ug/kg	30.				
4-Methyl-2-pentanone	ND	ug/kg	30.				
2-Hexanone	ND	ug/kg	30.				
Ethyl methacrylate	ND	ug/kg	30.				
Acrolein	ND	ug/kg	76.				
Acrylonitrile	ND	ug/kg	12.				
Bromochloromethane	ND	ug/kg	15.				
Tetrahydrofuran	ND	ug/kg	61.				
2,2-Dichloropropane	ND	ug/kg	15.				
1,2-Dibromoethane	ND	ug/kg	12.				
1,3-Dichloropropane	ND	ug/kg	15.				
1,1,1,2-Tetrachloroethane	ND	ug/kg	3.0				
Bromobenzene	ND	ug/kg	15.				
n-Butylbenzene	ND	ug/kg	3.0				
sec-Butylbenzene	ND	ug/kg	3.0				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0615863-06
AK-SB-3 (9'-10')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by GC/MS 8260 cont'd				1	8260B	1107	20:08 RY
tert-Butylbenzene	ND	ug/kg	15.				
o-Chlorotoluene	ND	ug/kg	15.				
p-Chlorotoluene	ND	ug/kg	15.				
1,2-Dibromo-3-chloropropane	ND	ug/kg	15.				
Hexachlorobutadiene	ND	ug/kg	15.				
Isopropylbenzene	ND	ug/kg	3.0				
p-Isopropyltoluene	ND	ug/kg	3.0				
Naphthalene	ND	ug/kg	15.				
n-Propylbenzene	ND	ug/kg	3.0				
1,2,3-Trichlorobenzene	ND	ug/kg	15.				
1,2,4-Trichlorobenzene	ND	ug/kg	15.				
1,3,5-Trimethylbenzene	ND	ug/kg	15.				
1,2,4-Trimethylbenzene	ND	ug/kg	15.				
trans-1,4-Dichloro-2-butene	ND	ug/kg	15.				
Ethyl ether	ND	ug/kg	15.				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	107	%	70-130				
Toluene-d8	96.0	%	70-130				
4-Bromofluorobenzene	123	%	70-130				
Dibromofluoromethane	97.0	%	70-130				
SVOC's by GC/MS 8270				1	8270C	1103	20:35 1106 18:05 RL
Acenaphthene	ND	ug/kg	410				
Benzidine	ND	ug/kg	4100				
1,2,4-Trichlorobenzene	ND	ug/kg	410				
Hexachlorobenzene	ND	ug/kg	410				
Bis(2-chloroethyl)ether	ND	ug/kg	410				
1-Chloronaphthalene	ND	ug/kg	410				
2-Chloronaphthalene	ND	ug/kg	490				
1,2-Dichlorobenzene	ND	ug/kg	410				
1,3-Dichlorobenzene	ND	ug/kg	410				
1,4-Dichlorobenzene	ND	ug/kg	410				
3,3'-Dichlorobenzidine	ND	ug/kg	810				
2,4-Dinitrotoluene	ND	ug/kg	410				
2,6-Dinitrotoluene	ND	ug/kg	410				
Azobenzene	ND	ug/kg	410				
Fluoranthene	6200	ug/kg	410				
4-Chlorophenyl phenyl ether	ND	ug/kg	410				
4-Bromophenyl phenyl ether	ND	ug/kg	410				
Bis(2-chloroisopropyl)ether	ND	ug/kg	410				
Bis(2-chloroethoxy)methane	ND	ug/kg	410				
Hexachlorobutadiene	ND	ug/kg	810				
Hexachlorocyclopentadiene	ND	ug/kg	810				
Hexachloroethane	ND	ug/kg	410				
Isophorone	ND	ug/kg	410				
Naphthalene	ND	ug/kg	410				
Nitrobenzene	ND	ug/kg	410				
NDPA/DPA	ND	ug/kg	1200				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0615863-06
AK-SB-3 (9'-10')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
SVOC's by GC/MS 8270 cont'd				1	8270C	1103 20:35	1106 18:05 RL
n-Nitrosodi-n-propylamine	ND	ug/kg	410				
Bis(2-ethylhexyl)phthalate	ND	ug/kg	810				
Butyl benzyl phthalate	ND	ug/kg	410				
Di-n-butylphthalate	ND	ug/kg	410				
Di-n-octylphthalate	ND	ug/kg	410				
Diethyl phthalate	ND	ug/kg	410				
Dimethyl phthalate	ND	ug/kg	410				
Benzo(a)anthracene	3400	ug/kg	410				
Benzo(a)pyrene	3400	ug/kg	410				
Benzo(b)fluoranthene	2700	ug/kg	410				
Benzo(k)fluoranthene	2600	ug/kg	410				
Chrysene	3100	ug/kg	410				
Acenaphthylene	540	ug/kg	410				
Anthracene	1000	ug/kg	410				
Benzo(ghi)perylene	2000	ug/kg	410				
Fluorene	ND	ug/kg	410				
Phenanthrene	2700	ug/kg	410				
Dibenzo(a,h)anthracene	500	ug/kg	410				
Indeno(1,2,3-cd)pyrene	2200	ug/kg	410				
Pyrene	5400	ug/kg	410				
Benzo(e)pyrene	2000	ug/kg	410				
Biphenyl	ND	ug/kg	410				
Perylene	860	ug/kg	410				
Aniline	ND	ug/kg	810				
4-Chloroaniline	ND	ug/kg	410				
1-Methylnaphthalene	ND	ug/kg	410				
2-Nitroaniline	ND	ug/kg	410				
3-Nitroaniline	ND	ug/kg	410				
4-Nitroaniline	ND	ug/kg	570				
Dibenzofuran	ND	ug/kg	410				
a,a-Dimethylphenethylamine	ND	ug/kg	4100				
Hexachloropropene	ND	ug/kg	810				
Nitrosodi-n-butylamine	ND	ug/kg	810				
2-Methylnaphthalene	ND	ug/kg	410				
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	1600				
Pentachlorobenzene	ND	ug/kg	1600				
a-Naphthylamine	ND	ug/kg	1600				
b-Naphthylamine	ND	ug/kg	1600				
Phenacetin	ND	ug/kg	810				
Dimethoate	ND	ug/kg	1600				
4-Aminobiphenyl	ND	ug/kg	810				
Pentachloronitrobenzene	ND	ug/kg	810				
Isodrin	ND	ug/kg	810				
p-Dimethylaminoazobenzene	ND	ug/kg	810				
Chlorobenzilate	ND	ug/kg	1600				
3-Methylcholanthrene	ND	ug/kg	1600				
Ethyl Methanesulfonate	ND	ug/kg	1200				
Acetophenone	ND	ug/kg	1600				
Nitrosodipiperidine	ND	ug/kg	1600				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0615863-06
 AK-SB-3 (9'-10')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
SVOC's by GC/MS 8270 cont'd				1 8270C	1103 20:35	1106 18:05	RL
7,12-Dimethylbenz(a)anthracene	ND	ug/kg	810				
n-Nitrosodimethylamine	ND	ug/kg	4100				
2,4,6-Trichlorophenol	ND	ug/kg	410				
p-Chloro-m-cresol	ND	ug/kg	410				
2-Chlorophenol	ND	ug/kg	490				
2,4-Dichlorophenol	ND	ug/kg	810				
2,4-Dimethylphenol	ND	ug/kg	410				
2-Nitrophenol	ND	ug/kg	1600				
4-Nitrophenol	ND	ug/kg	810				
2,4-Dinitrophenol	ND	ug/kg	1600				
4,6-Dinitro-o-cresol	ND	ug/kg	1600				
Pentachlorophenol	ND	ug/kg	1600				
Phenol	ND	ug/kg	570				
2-Methylphenol	ND	ug/kg	490				
3-Methylphenol/4-Methylphenol	ND	ug/kg	490				
2,4,5-Trichlorophenol	ND	ug/kg	410				
2,6-Dichlorophenol	ND	ug/kg	810				
Benzoic Acid	ND	ug/kg	4100				
Benzyl Alcohol	ND	ug/kg	810				
Carbazole	ND	ug/kg	410				
Pyridine	ND	ug/kg	4100				
2-Picoline	ND	ug/kg	1600				
Pronamide	ND	ug/kg	1600				
Methyl methanesulfonate	ND	ug/kg	1600				
Surrogate(s)	Recovery		QC Criteria				
2-Fluorophenol	60.0	%	25-120				
Phenol-d6	89.0	%	10-120				
Nitrobenzene-d5	62.0	%	23-120				
2-Fluorobiphenyl	66.0	%	30-120				
2,4,6-Tribromophenol	94.0	%	19-120				
4-Terphenyl-d14	97.0	%	18-120				
PAH by GC/MS SIM 8270M				1 8270C-M	1103 20:35	1106 15:40	RL
Acenaphthene	67	ug/kg	32				
2-Chloronaphthalene	ND	ug/kg	32.				
Fluoranthene	6000	ug/kg	32				
Hexachlorobutadiene	ND	ug/kg	81.				
Naphthalene	150	ug/kg	32				
Benzo(a)anthracene	4200	ug/kg	32				
Benzo(a)pyrene	5300	ug/kg	32				
Benzo(b)fluoranthene	4200	ug/kg	32				
Benzo(k)fluoranthene	2400	ug/kg	32				
Chrysene	3700	ug/kg	32				
Acenaphthylene	460	ug/kg	32				
Anthracene	1300	ug/kg	32				
Benzo(ghi)perylene	1400	ug/kg	32				
Fluorene	170	ug/kg	32				
Phenanthrene	2700	ug/kg	32				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0615863-06
 AK-SB-3 (9'-10')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
PAH by GC/MS SIM 8270M cont'd				1	8270C-M	1103 20:35	1106 15:40 RL
Dibenzo(a,h)anthracene	490	ug/kg	32				
Indeno(1,2,3-cd)Pyrene	1600	ug/kg	32				
Pyrene	5700	ug/kg	32				
1-Methylnaphthalene	ND	ug/kg	32.				
2-Methylnaphthalene	38	ug/kg	32				
Pentachlorophenol	ND	ug/kg	130				
Hexachlorobenzene	ND	ug/kg	130				
Perylene	770	ug/kg	32				
Biphenyl	ND	ug/kg	32.				
2,6-Dimethylnaphthalene	ND	ug/kg	32.				
1-Methylphenanthrene	420	ug/kg	32				
Benzo(e)Pyrene	2000	ug/kg	32				
Hexachloroethane	ND	ug/kg	130				
Surrogate(s)	Recovery						QC Criteria
2-Fluorophenol	63.0	%					25-120
Phenol-d6	91.0	%					10-120
Nitrobenzene-d5	60.0	%					23-120
2-Fluorobiphenyl	60.0	%					30-120
2,4,6-Tribromophenol	85.0	%					19-120
4-Terphenyl-d14	101	%					18-120
Polychlorinated Biphenyls				1	8082	1103 16:00	1108 02:01 AK
Aroclor 1016	ND	ug/kg	40.6				
Aroclor 1221	ND	ug/kg	40.6				
Aroclor 1232	ND	ug/kg	40.6				
Aroclor 1242	ND	ug/kg	40.6				
Aroclor 1248	ND	ug/kg	40.6				
Aroclor 1254	ND	ug/kg	40.6				
Aroclor 1260	ND	ug/kg	40.6				
Surrogate(s)	Recovery						QC Criteria
2,4,5,6-Tetrachloro-m-xylene	60.0	%					30-150
Decachlorobiphenyl	40.0	%					30-150
Organochlorine Pesticides				1	8081	1103 21:40	1108 02:03 JB
Delta-BHC	ND	ug/kg	20.3				
Lindane	ND	ug/kg	20.3				
Alpha-BHC	ND	ug/kg	20.3				
Beta-BHC	ND	ug/kg	20.3				
Heptachlor	ND	ug/kg	20.3				
Aldrin	ND	ug/kg	20.3				
Heptachlor epoxide	ND	ug/kg	20.3				
Endrin	ND	ug/kg	20.3				
Endrin aldehyde	ND	ug/kg	20.3				
Endrin ketone	ND	ug/kg	20.3				
Dieldrin	ND	ug/kg	20.3				
4,4'-DDE	ND	ug/kg	20.3				
4,4'-DDD	ND	ug/kg	20.3				

Comments: Complete list of References and Glossary of Terms found in Addendum I

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

Laboratory Sample Number: L0615863-06
AK-SB-3 (9'-10')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Organochlorine Pesticides cont'd				1 8081	1103 21:40	1108 02:03	JB
4,4'-DDT	ND	ug/kg	20.3				
Endosulfan I	ND	ug/kg	20.3				
Endosulfan II	ND	ug/kg	20.3				
Endosulfan sulfate	ND	ug/kg	20.3				
Methoxychlor	ND	ug/kg	81.3				
Toxaphene	ND	ug/kg	81.3				
Chlordane	ND	ug/kg	81.3				
cis-Chlordane	ND	ug/kg	20.3				
trans-Chlordane	ND	ug/kg	20.3				
Surrogate(s)	Recovery			QC Criteria			
2,4,5,6-Tetrachloro-m-xylene	64.0	%		30-150			
Decachlorobiphenyl	70.0	%		30-150			

Comments: Complete list of References and Glossary of Terms found in Addendum I

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0615863-07	Date Collected: 01-NOV-2006 11:03
AK-SB-4 (2'-3')	Date Received : 02-NOV-2006
Sample Matrix: SOIL	Date Reported : 09-NOV-2006
Condition of Sample: Satisfactory	Field Prep: None
Number & Type of Containers: 1-Amber,1-Vial	

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Solids, Total	88	%	0.10	30 2540G		1107 12:01	PD
Total Metals				1 3051			
Aluminum, Total	4800	mg/kg	4.5	1 6010B	1103 18:30	1108 16:00	AI
Antimony, Total	ND	mg/kg	2.3	1 6010B	1103 18:30	1108 16:00	AI
Arsenic, Total	4.3	mg/kg	0.45	1 6010B	1103 18:30	1108 16:00	AI
Barium, Total	68	mg/kg	0.45	1 6010B	1103 18:30	1108 16:00	AI
Beryllium, Total	ND	mg/kg	0.23	1 6010B	1103 18:30	1108 16:00	AI
Cadmium, Total	0.68	mg/kg	0.45	1 6010B	1103 18:30	1108 16:00	AI
Calcium, Total	31000	mg/kg	45	1 6010B	1103 18:30	1109 10:43	AI
Chromium, Total	16	mg/kg	0.45	1 6010B	1103 18:30	1108 16:00	AI
Cobalt, Total	4.8	mg/kg	0.91	1 6010B	1103 18:30	1108 16:00	AI
Copper, Total	97	mg/kg	0.45	1 6010B	1103 18:30	1108 16:00	AI
Iron, Total	12000	mg/kg	2.3	1 6010B	1103 18:30	1108 16:00	AI
Lead, Total	320	mg/kg	2.3	1 6010B	1103 18:30	1108 16:00	AI
Magnesium, Total	5700	mg/kg	4.5	1 6010B	1103 18:30	1108 16:00	AI
Manganese, Total	180	mg/kg	0.45	1 6010B	1103 18:30	1108 16:00	AI
Mercury, Total	0.50	mg/kg	0.09	1 7471A	1106 16:25	1107 10:38	DM
Nickel, Total	12	mg/kg	1.1	1 6010B	1103 18:30	1108 16:00	AI
Potassium, Total	1200	mg/kg	110	1 6010B	1103 18:30	1108 16:00	AI
Selenium, Total	ND	mg/kg	0.91	1 6010B	1103 18:30	1108 16:00	AI
Silver, Total	ND	mg/kg	0.45	1 6010B	1103 18:30	1108 16:00	AI
Sodium, Total	120	mg/kg	91	1 6010B	1103 18:30	1108 16:00	AI
Thallium, Total	ND	mg/kg	0.45	1 6010B	1103 18:30	1108 16:00	AI
Vanadium, Total	31	mg/kg	0.45	1 6010B	1103 18:30	1108 16:00	AI
Zinc, Total	330	mg/kg	2.3	1 6010B	1103 18:30	1108 16:00	AI
Volatile Organics by GC/MS 8260				1 8260B		1107 20:43	RY
Methylene chloride	ND	ug/kg	28.				
1,1-Dichloroethane	ND	ug/kg	4.3				
Chloroform	ND	ug/kg	4.3				
Carbon tetrachloride	ND	ug/kg	2.8				
1,2-Dichloropropane	ND	ug/kg	9.9				
Dibromochloromethane	ND	ug/kg	2.8				
1,1,2-Trichloroethane	ND	ug/kg	4.3				
Tetrachloroethene	ND	ug/kg	2.8				
Chlorobenzene	ND	ug/kg	2.8				
Trichlorofluoromethane	ND	ug/kg	14.				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0615863-07
 AK-SB-4 (2'-3')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by GC/MS 8260 cont'd				1	8260B	1107	20:43 RY
1,2-Dichloroethane	ND	ug/kg	2.8				
1,1,1-Trichloroethane	ND	ug/kg	2.8				
Bromodichloromethane	ND	ug/kg	2.8				
trans-1,3-Dichloropropene	ND	ug/kg	2.8				
cis-1,3-Dichloropropene	ND	ug/kg	2.8				
1,1-Dichloropropene	ND	ug/kg	14.				
Bromoform	ND	ug/kg	11.				
1,1,2,2-Tetrachloroethane	ND	ug/kg	2.8				
Benzene	ND	ug/kg	2.8				
Toluene	ND	ug/kg	4.3				
Ethylbenzene	ND	ug/kg	2.8				
Chloromethane	ND	ug/kg	14.				
Bromomethane	ND	ug/kg	5.7				
Vinyl chloride	ND	ug/kg	5.7				
Chloroethane	ND	ug/kg	5.7				
1,1-Dichloroethene	ND	ug/kg	2.8				
trans-1,2-Dichloroethene	ND	ug/kg	4.3				
Trichloroethene	ND	ug/kg	2.8				
1,2-Dichlorobenzene	ND	ug/kg	14.				
1,3-Dichlorobenzene	ND	ug/kg	14.				
1,4-Dichlorobenzene	ND	ug/kg	14.				
Methyl tert butyl ether	ND	ug/kg	5.7				
p/m-Xylene	ND	ug/kg	5.7				
o-Xylene	ND	ug/kg	5.7				
cis-1,2-Dichloroethene	ND	ug/kg	2.8				
Dibromomethane	ND	ug/kg	28.				
1,4-Dichlorobutane	ND	ug/kg	28.				
Iodomethane	ND	ug/kg	28.				
1,2,3-Trichloropropane	ND	ug/kg	28.				
Styrene	ND	ug/kg	5.7				
Dichlorodifluoromethane	ND	ug/kg	28.				
Acetone	ND	ug/kg	28.				
Carbon disulfide	ND	ug/kg	28.				
2-Butanone	ND	ug/kg	28.				
Vinyl acetate	ND	ug/kg	28.				
4-Methyl-2-pentanone	ND	ug/kg	28.				
2-Hexanone	ND	ug/kg	28.				
Ethyl methacrylate	ND	ug/kg	28.				
Acrolein	ND	ug/kg	71.				
Acrylonitrile	ND	ug/kg	11.				
Bromochloromethane	ND	ug/kg	14.				
Tetrahydrofuran	ND	ug/kg	57.				
2,2-Dichloropropane	ND	ug/kg	14.				
1,2-Dibromoethane	ND	ug/kg	11.				
1,3-Dichloropropane	ND	ug/kg	14.				
1,1,1,2-Tetrachloroethane	ND	ug/kg	2.8				
Bromobenzene	ND	ug/kg	14.				
n-Butylbenzene	ND	ug/kg	2.8				
sec-Butylbenzene	ND	ug/kg	2.8				

Comments: Complete list of References and Glossary of Terms found in Addendum I

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

Laboratory Sample Number: L0615863-07
AK-SB-4 (2'-3')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by GC/MS 8260 cont'd				1	8260B	1107	20:43 RY
tert-Butylbenzene	ND	ug/kg	14.				
o-Chlorotoluene	ND	ug/kg	14.				
p-Chlorotoluene	ND	ug/kg	14.				
1,2-Dibromo-3-chloropropane	ND	ug/kg	14.				
Hexachlorobutadiene	ND	ug/kg	14.				
Isopropylbenzene	ND	ug/kg	2.8				
p-Isopropyltoluene	ND	ug/kg	2.8				
Naphthalene	ND	ug/kg	14.				
n-Propylbenzene	ND	ug/kg	2.8				
1,2,3-Trichlorobenzene	ND	ug/kg	14.				
1,2,4-Trichlorobenzene	ND	ug/kg	14.				
1,3,5-Trimethylbenzene	ND	ug/kg	14.				
1,2,4-Trimethylbenzene	ND	ug/kg	14.				
trans-1,4-Dichloro-2-butene	ND	ug/kg	14.				
Ethyl ether	ND	ug/kg	14.				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	102	%	70-130				
Toluene-d8	99.0	%	70-130				
4-Bromofluorobenzene	114	%	70-130				
Dibromofluoromethane	96.0	%	70-130				
SVOC's by GC/MS 8270				1	8270C	1103	20:35 1106 18:30 RL
Acenaphthene	ND	ug/kg	760				
Benzidine	ND	ug/kg	7600				
1,2,4-Trichlorobenzene	ND	ug/kg	760				
Hexachlorobenzene	ND	ug/kg	760				
Bis(2-chloroethyl)ether	ND	ug/kg	760				
1-Chloronaphthalene	ND	ug/kg	760				
2-Chloronaphthalene	ND	ug/kg	910				
1,2-Dichlorobenzene	ND	ug/kg	760				
1,3-Dichlorobenzene	ND	ug/kg	760				
1,4-Dichlorobenzene	ND	ug/kg	760				
3,3'-Dichlorobenzidine	ND	ug/kg	1500				
2,4-Dinitrotoluene	ND	ug/kg	760				
2,6-Dinitrotoluene	ND	ug/kg	760				
Azobenzene	ND	ug/kg	760				
Fluoranthene	12000	ug/kg	760				
4-Chlorophenyl phenyl ether	ND	ug/kg	760				
4-Bromophenyl phenyl ether	ND	ug/kg	760				
Bis(2-chloroisopropyl)ether	ND	ug/kg	760				
Bis(2-chloroethoxy)methane	ND	ug/kg	760				
Hexachlorobutadiene	ND	ug/kg	1500				
Hexachlorocyclopentadiene	ND	ug/kg	1500				
Hexachloroethane	ND	ug/kg	760				
Isophorone	ND	ug/kg	760				
Naphthalene	ND	ug/kg	760				
Nitrobenzene	ND	ug/kg	760				
NDPA/DPA	ND	ug/kg	2300				

Comments: Complete list of References and Glossary of Terms found in Addendum I

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

Laboratory Sample Number: L0615863-07
AK-SB-4 (2'-3')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
SVOC's by GC/MS 8270 cont'd				1 8270C	1103 20:35	1106 18:30	RL
n-Nitrosodi-n-propylamine	ND	ug/kg	760				
Bis(2-ethylhexyl)phthalate	ND	ug/kg	1500				
Butyl benzyl phthalate	ND	ug/kg	760				
Di-n-butylphthalate	ND	ug/kg	760				
Di-n-octylphthalate	ND	ug/kg	760				
Diethyl phthalate	ND	ug/kg	760				
Dimethyl phthalate	ND	ug/kg	760				
Benzo(a)anthracene	5600	ug/kg	760				
Benzo(a)pyrene	5900	ug/kg	760				
Benzo(b)fluoranthene	5600	ug/kg	760				
Benzo(k)fluoranthene	4400	ug/kg	760				
Chrysene	5500	ug/kg	760				
Acenaphthylene	790	ug/kg	760				
Anthracene	1800	ug/kg	760				
Benzo(ghi)perylene	4300	ug/kg	760				
Fluorene	ND	ug/kg	760				
Phenanthrene	5700	ug/kg	760				
Dibenzo(a,h)anthracene	1200	ug/kg	760				
Indeno(1,2,3-cd)pyrene	4600	ug/kg	760				
Pyrene	11000	ug/kg	760				
Benzo(e)pyrene	4000	ug/kg	760				
Biphenyl	ND	ug/kg	760				
Perylene	1500	ug/kg	760				
Aniline	ND	ug/kg	1500				
4-Chloroaniline	ND	ug/kg	760				
1-Methylnaphthalene	ND	ug/kg	760				
2-Nitroaniline	ND	ug/kg	760				
3-Nitroaniline	ND	ug/kg	760				
4-Nitroaniline	ND	ug/kg	1100				
Dibenzofuran	ND	ug/kg	760				
a,a-Dimethylphenethylamine	ND	ug/kg	7600				
Hexachloropropene	ND	ug/kg	1500				
Nitrosodi-n-butylamine	ND	ug/kg	1500				
2-Methylnaphthalene	ND	ug/kg	760				
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	3000				
Pentachlorobenzene	ND	ug/kg	3000				
a-Naphthylamine	ND	ug/kg	3000				
b-Naphthylamine	ND	ug/kg	3000				
Phenacetin	ND	ug/kg	1500				
Dimethoate	ND	ug/kg	3000				
4-Aminobiphenyl	ND	ug/kg	1500				
Pentachloronitrobenzene	ND	ug/kg	1500				
Isodrin	ND	ug/kg	1500				
p-Dimethylaminoazobenzene	ND	ug/kg	1500				
Chlorobenzilate	ND	ug/kg	3000				
3-Methylcholanthrene	ND	ug/kg	3000				
Ethyl Methanesulfonate	ND	ug/kg	2300				
Acetophenone	ND	ug/kg	3000				
Nitrosodipiperidine	ND	ug/kg	3000				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0615863-07
AK-SB-4 (2'-3')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
SVOC's by GC/MS 8270 cont'd				1 8270C	1103 20:35	1106 18:30	RL
7,12-Dimethylbenz(a)anthracene	ND	ug/kg	1500				
n-Nitrosodimethylamine	ND	ug/kg	7600				
2,4,6-Trichlorophenol	ND	ug/kg	760				
p-Chloro-m-cresol	ND	ug/kg	760				
2-Chlorophenol	ND	ug/kg	910				
2,4-Dichlorophenol	ND	ug/kg	1500				
2,4-Dimethylphenol	ND	ug/kg	760				
2-Nitrophenol	ND	ug/kg	3000				
4-Nitrophenol	ND	ug/kg	1500				
2,4-Dinitrophenol	ND	ug/kg	3000				
4,6-Dinitro-o-cresol	ND	ug/kg	3000				
Pentachlorophenol	ND	ug/kg	3000				
Phenol	ND	ug/kg	1100				
2-Methylphenol	ND	ug/kg	910				
3-Methylphenol/4-Methylphenol	ND	ug/kg	910				
2,4,5-Trichlorophenol	ND	ug/kg	760				
2,6-Dichlorophenol	ND	ug/kg	1500				
Benzoic Acid	ND	ug/kg	7600				
Benzyl Alcohol	ND	ug/kg	1500				
Carbazole	ND	ug/kg	760				
Pyridine	ND	ug/kg	7600				
2-Picoline	ND	ug/kg	3000				
Pronamide	ND	ug/kg	3000				
Methyl methanesulfonate	ND	ug/kg	3000				
Surrogate(s)	Recovery		QC Criteria				
2-Fluorophenol	79.0	%	25-120				
Phenol-d6	117	%	10-120				
Nitrobenzene-d5	87.0	%	23-120				
2-Fluorobiphenyl	86.0	%	30-120				
2,4,6-Tribromophenol	96.0	%	19-120				
4-Terphenyl-d14	102	%	18-120				
PAH by GC/MS SIM 8270M				1 8270C-M	1103 20:35	1108 02:59	RL
Acenaphthene	730	ug/kg	300				
2-Chloronaphthalene	ND	ug/kg	300				
Fluoranthene	14000	ug/kg	300				
Hexachlorobutadiene	ND	ug/kg	760				
Naphthalene	ND	ug/kg	300				
Benzo(a)anthracene	8600	ug/kg	300				
Benzo(a)pyrene	5900	ug/kg	300				
Benzo(b)fluoranthene	7900	ug/kg	300				
Benzo(k)fluoranthene	7500	ug/kg	300				
Chrysene	7400	ug/kg	300				
Acenaphthylene	660	ug/kg	300				
Anthracene	2100	ug/kg	300				
Benzo(ghi)perylene	5500	ug/kg	300				
Fluorene	690	ug/kg	300				
Phenanthrene	6400	ug/kg	300				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0615863-07
 AK-SB-4 (2'-3')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
PAH by GC/MS SIM 8270M cont'd				1	8270C-M	1103 20:35	1108 02:59 RL
Dibenzo(a,h)anthracene	1300	ug/kg	300				
Indeno(1,2,3-cd)Pyrene	4700	ug/kg	300				
Pyrene	12000	ug/kg	300				
1-Methylnaphthalene	ND	ug/kg	300				
2-Methylnaphthalene	ND	ug/kg	300				
Pentachlorophenol	ND	ug/kg	1200				
Hexachlorobenzene	ND	ug/kg	1200				
Perylene	1800	ug/kg	300				
Biphenyl	ND	ug/kg	300				
2,6-Dimethylnaphthalene	ND	ug/kg	300				
1-Methylphenanthrene	720	ug/kg	300				
Benzo(e)Pyrene	5900	ug/kg	300				
Hexachloroethane	ND	ug/kg	1200				
Surrogate(s)	Recovery						QC Criteria
2-Fluorophenol	78.0	%					25-120
Phenol-d6	116	%					10-120
Nitrobenzene-d5	84.0	%					23-120
2-Fluorobiphenyl	85.0	%					30-120
2,4,6-Tribromophenol	91.0	%					19-120
4-Terphenyl-d14	102	%					18-120
Polychlorinated Biphenyls				1	8082	1103 16:00	1108 02:58 AK
Aroclor 1016	ND	ug/kg	37.9				
Aroclor 1221	ND	ug/kg	37.9				
Aroclor 1232	ND	ug/kg	37.9				
Aroclor 1242	ND	ug/kg	37.9				
Aroclor 1248	ND	ug/kg	37.9				
Aroclor 1254	124	ug/kg	37.9				
Aroclor 1260	52.2	ug/kg	37.9				
Surrogate(s)	Recovery						QC Criteria
2,4,5,6-Tetrachloro-m-xylene	72.0	%					30-150
Decachlorobiphenyl	57.0	%					30-150
Organochlorine Pesticides				1	8081	1103 21:40	1108 06:49 JB
Delta-BHC	ND	ug/kg	152.				
Lindane	ND	ug/kg	152.				
Alpha-BHC	ND	ug/kg	152.				
Beta-BHC	ND	ug/kg	152.				
Heptachlor	ND	ug/kg	152.				
Aldrin	ND	ug/kg	152.				
Heptachlor epoxide	ND	ug/kg	152.				
Endrin	ND	ug/kg	152.				
Endrin aldehyde	ND	ug/kg	152.				
Endrin ketone	ND	ug/kg	152.				
Dieldrin	ND	ug/kg	152.				
4,4'-DDE	ND	ug/kg	152.				
4,4'-DDD	ND	ug/kg	152.				

Comments: Complete list of References and Glossary of Terms found in Addendum I

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

Laboratory Sample Number: L0615863-07
AK-SB-4 (2'-3')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Organochlorine Pesticides cont'd				1 8081	1103 21:40	1108 06:49	JB
4,4'-DDT	ND	ug/kg	152				
Endosulfan I	ND	ug/kg	152.				
Endosulfan II	ND	ug/kg	152.				
Endosulfan sulfate	ND	ug/kg	152.				
Methoxychlor	ND	ug/kg	606.				
Toxaphene	ND	ug/kg	606.				
Chlordane	ND	ug/kg	606.				
cis-Chlordane	ND	ug/kg	152.				
trans-Chlordane	ND	ug/kg	152.				
Surrogate(s)	Recovery			QC Criteria			
2,4,5,6-Tetrachloro-m-xylene	ND	%		30-150			
Decachlorobiphenyl	ND	%		30-150			

Comments: Complete list of References and Glossary of Terms found in Addendum I

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0615863-08	Date Collected: 01-NOV-2006 11:20
AK-SB-4 (9'-10')	Date Received : 02-NOV-2006
Sample Matrix: SOIL	Date Reported : 09-NOV-2006
Condition of Sample: Satisfactory	Field Prep: None
Number & Type of Containers: 1-Amber,1-Vial	

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Solids, Total	88	%	0.10	30 2540G	1107 12:01	PD
Total Metals				1 3051		
Aluminum, Total	6200	mg/kg	4.5	1 6010B	1103 18:30 1108 16:04	AI
Antimony, Total	2.6	mg/kg	2.2	1 6010B	1103 18:30 1108 16:04	AI
Arsenic, Total	5.2	mg/kg	0.45	1 6010B	1103 18:30 1108 16:04	AI
Barium, Total	58	mg/kg	0.45	1 6010B	1103 18:30 1108 16:04	AI
Beryllium, Total	ND	mg/kg	0.22	1 6010B	1103 18:30 1108 16:04	AI
Cadmium, Total	ND	mg/kg	0.45	1 6010B	1103 18:30 1108 16:04	AI
Calcium, Total	8900	mg/kg	4.5	1 6010B	1103 18:30 1108 16:04	AI
Chromium, Total	11	mg/kg	0.45	1 6010B	1103 18:30 1108 16:04	AI
Cobalt, Total	5.7	mg/kg	0.90	1 6010B	1103 18:30 1108 16:04	AI
Copper, Total	160	mg/kg	0.45	1 6010B	1103 18:30 1108 16:04	AI
Iron, Total	12000	mg/kg	2.2	1 6010B	1103 18:30 1108 16:04	AI
Lead, Total	200	mg/kg	2.2	1 6010B	1103 18:30 1108 16:04	AI
Magnesium, Total	2100	mg/kg	4.5	1 6010B	1103 18:30 1108 16:04	AI
Manganese, Total	310	mg/kg	0.45	1 6010B	1103 18:30 1108 16:04	AI
Mercury, Total	2.0	mg/kg	0.17	1 7471A	1106 16:25 1107 12:02	DM
Nickel, Total	20	mg/kg	1.1	1 6010B	1103 18:30 1108 16:04	AI
Potassium, Total	540	mg/kg	110	1 6010B	1103 18:30 1108 16:04	AI
Selenium, Total	ND	mg/kg	0.90	1 6010B	1103 18:30 1108 16:04	AI
Silver, Total	0.83	mg/kg	0.45	1 6010B	1103 18:30 1108 16:04	AI
Sodium, Total	ND	mg/kg	90	1 6010B	1103 18:30 1108 16:04	AI
Thallium, Total	ND	mg/kg	0.45	1 6010B	1103 18:30 1108 16:04	AI
Vanadium, Total	16	mg/kg	0.45	1 6010B	1103 18:30 1108 16:04	AI
Zinc, Total	180	mg/kg	2.2	1 6010B	1103 18:30 1108 16:04	AI
Volatile Organics by GC/MS 8260				1 8260B	1107 21:19	RY
Methylene chloride	ND	ug/kg	28.			
1,1-Dichloroethane	ND	ug/kg	4.3			
Chloroform	ND	ug/kg	4.3			
Carbon tetrachloride	ND	ug/kg	2.8			
1,2-Dichloropropane	ND	ug/kg	9.9			
Dibromochloromethane	ND	ug/kg	2.8			
1,1,2-Trichloroethane	ND	ug/kg	4.3			
Tetrachloroethene	ND	ug/kg	2.8			
Chlorobenzene	ND	ug/kg	2.8			
Trichlorofluoromethane	ND	ug/kg	14.			

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0615863-08
 AK-SB-4 (9'-10')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by GC/MS 8260 cont'd				1	8260B	1107	21:19 RY
1,2-Dichloroethane	ND	ug/kg	2.8				
1,1,1-Trichloroethane	ND	ug/kg	2.8				
Bromodichloromethane	ND	ug/kg	2.8				
trans-1,3-Dichloropropene	ND	ug/kg	2.8				
cis-1,3-Dichloropropene	ND	ug/kg	2.8				
1,1-Dichloropropene	ND	ug/kg	14.				
Bromoform	ND	ug/kg	11.				
1,1,2,2-Tetrachloroethane	ND	ug/kg	2.8				
Benzene	ND	ug/kg	2.8				
Toluene	ND	ug/kg	4.3				
Ethylbenzene	ND	ug/kg	2.8				
Chloromethane	ND	ug/kg	14.				
Bromomethane	ND	ug/kg	5.7				
Vinyl chloride	ND	ug/kg	5.7				
Chloroethane	ND	ug/kg	5.7				
1,1-Dichloroethene	ND	ug/kg	2.8				
trans-1,2-Dichloroethene	ND	ug/kg	4.3				
Trichloroethene	ND	ug/kg	2.8				
1,2-Dichlorobenzene	ND	ug/kg	14.				
1,3-Dichlorobenzene	ND	ug/kg	14.				
1,4-Dichlorobenzene	ND	ug/kg	14.				
Methyl tert butyl ether	ND	ug/kg	5.7				
p/m-Xylene	ND	ug/kg	5.7				
o-Xylene	ND	ug/kg	5.7				
cis-1,2-Dichloroethene	ND	ug/kg	2.8				
Dibromomethane	ND	ug/kg	28.				
1,4-Dichlorobutane	ND	ug/kg	28.				
Iodomethane	ND	ug/kg	28.				
1,2,3-Trichloropropane	ND	ug/kg	28.				
Styrene	ND	ug/kg	5.7				
Dichlorodifluoromethane	ND	ug/kg	28.				
Acetone	53	ug/kg	28				
Carbon disulfide	ND	ug/kg	28.				
2-Butanone	ND	ug/kg	28.				
Vinyl acetate	ND	ug/kg	28.				
4-Methyl-2-pentanone	ND	ug/kg	28.				
2-Hexanone	ND	ug/kg	28.				
Ethyl methacrylate	ND	ug/kg	28.				
Acrolein	ND	ug/kg	71.				
Acrylonitrile	ND	ug/kg	11.				
Bromochloromethane	ND	ug/kg	14.				
Tetrahydrofuran	ND	ug/kg	57.				
2,2-Dichloropropane	ND	ug/kg	14.				
1,2-Dibromoethane	ND	ug/kg	11.				
1,3-Dichloropropane	ND	ug/kg	14.				
1,1,1,2-Tetrachloroethane	ND	ug/kg	2.8				
Bromobenzene	ND	ug/kg	14.				
n-Butylbenzene	ND	ug/kg	2.8				
sec-Butylbenzene	ND	ug/kg	2.8				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0615863-08
 AK-SB-4 (9'-10')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by GC/MS 8260 cont'd				1	8260B	1107	21:19 RY
tert-Butylbenzene	ND	ug/kg	14.				
o-Chlorotoluene	ND	ug/kg	14.				
p-Chlorotoluene	ND	ug/kg	14.				
1,2-Dibromo-3-chloropropane	ND	ug/kg	14.				
Hexachlorobutadiene	ND	ug/kg	14.				
Isopropylbenzene	ND	ug/kg	2.8				
p-Isopropyltoluene	ND	ug/kg	2.8				
Naphthalene	17	ug/kg	14				
n-Propylbenzene	ND	ug/kg	2.8				
1,2,3-Trichlorobenzene	ND	ug/kg	14.				
1,2,4-Trichlorobenzene	ND	ug/kg	14.				
1,3,5-Trimethylbenzene	ND	ug/kg	14.				
1,2,4-Trimethylbenzene	ND	ug/kg	14.				
trans-1,4-Dichloro-2-butene	ND	ug/kg	14.				
Ethyl ether	ND	ug/kg	14.				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	101	%	70-130				
Toluene-d8	96.0	%	70-130				
4-Bromofluorobenzene	108	%	70-130				
Dibromofluoromethane	97.0	%	70-130				
SVOC's by GC/MS 8270				1	8270C	1103	20:35 1106 18:55 RL
Acenaphthene	ND	ug/kg	380				
Benzidine	ND	ug/kg	3800				
1,2,4-Trichlorobenzene	ND	ug/kg	380				
Hexachlorobenzene	ND	ug/kg	380				
Bis(2-chloroethyl)ether	ND	ug/kg	380				
1-Chloronaphthalene	ND	ug/kg	380				
2-Chloronaphthalene	ND	ug/kg	450				
1,2-Dichlorobenzene	ND	ug/kg	380				
1,3-Dichlorobenzene	ND	ug/kg	380				
1,4-Dichlorobenzene	ND	ug/kg	380				
3,3'-Dichlorobenzidine	ND	ug/kg	760				
2,4-Dinitrotoluene	ND	ug/kg	380				
2,6-Dinitrotoluene	ND	ug/kg	380				
Azobenzene	ND	ug/kg	380				
Fluoranthene	2600	ug/kg	380				
4-Chlorophenyl phenyl ether	ND	ug/kg	380				
4-Bromophenyl phenyl ether	ND	ug/kg	380				
Bis(2-chloroisopropyl)ether	ND	ug/kg	380				
Bis(2-chloroethoxy)methane	ND	ug/kg	380				
Hexachlorobutadiene	ND	ug/kg	760				
Hexachlorocyclopentadiene	ND	ug/kg	760				
Hexachloroethane	ND	ug/kg	380				
Isophorone	ND	ug/kg	380				
Naphthalene	ND	ug/kg	380				
Nitrobenzene	ND	ug/kg	380				
NDPA/DPA	ND	ug/kg	1100				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0615863-08
 AK-SB-4 (9'-10')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
SVOC's by GC/MS 8270 cont'd				1	8270C	1103 20:35	1106 18:55 RL
n-Nitrosodi-n-propylamine	ND	ug/kg	380				
Bis(2-ethylhexyl)phthalate	ND	ug/kg	760				
Butyl benzyl phthalate	ND	ug/kg	380				
Di-n-butylphthalate	ND	ug/kg	380				
Di-n-octylphthalate	ND	ug/kg	380				
Diethyl phthalate	ND	ug/kg	380				
Dimethyl phthalate	ND	ug/kg	380				
Benzo(a)anthracene	1200	ug/kg	380				
Benzo(a)pyrene	1100	ug/kg	380				
Benzo(b)fluoranthene	980	ug/kg	380				
Benzo(k)fluoranthene	870	ug/kg	380				
Chrysene	1200	ug/kg	380				
Acenaphthylene	ND	ug/kg	380				
Anthracene	ND	ug/kg	380				
Benzo(ghi)perylene	760	ug/kg	380				
Fluorene	ND	ug/kg	380				
Phenanthrene	1200	ug/kg	380				
Dibenzo(a,h)anthracene	ND	ug/kg	380				
Indeno(1,2,3-cd)pyrene	810	ug/kg	380				
Pyrene	2400	ug/kg	380				
Benzo(e)pyrene	750	ug/kg	380				
Biphenyl	ND	ug/kg	380				
Perylene	ND	ug/kg	380				
Aniline	ND	ug/kg	760				
4-Chloroaniline	ND	ug/kg	380				
1-Methylnaphthalene	ND	ug/kg	380				
2-Nitroaniline	ND	ug/kg	380				
3-Nitroaniline	ND	ug/kg	380				
4-Nitroaniline	ND	ug/kg	530				
Dibenzofuran	ND	ug/kg	380				
a,a-Dimethylphenethylamine	ND	ug/kg	3800				
Hexachloropropene	ND	ug/kg	760				
Nitrosodi-n-butylamine	ND	ug/kg	760				
2-Methylnaphthalene	ND	ug/kg	380				
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	1500				
Pentachlorobenzene	ND	ug/kg	1500				
a-Naphthylamine	ND	ug/kg	1500				
b-Naphthylamine	ND	ug/kg	1500				
Phenacetin	ND	ug/kg	760				
Dimethoate	ND	ug/kg	1500				
4-Aminobiphenyl	ND	ug/kg	760				
Pentachloronitrobenzene	ND	ug/kg	760				
Isodrin	ND	ug/kg	760				
p-Dimethylaminoazobenzene	ND	ug/kg	760				
Chlorobenzilate	ND	ug/kg	1500				
3-Methylcholanthrene	ND	ug/kg	1500				
Ethyl Methanesulfonate	ND	ug/kg	1100				
Acetophenone	ND	ug/kg	1500				
Nitrosodipiperidine	ND	ug/kg	1500				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0615863-08
 AK-SB-4 (9'-10')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
SVOC's by GC/MS 8270 cont'd				1 8270C	1103 20:35	1106 18:55	RL
7,12-Dimethylbenz(a)anthracene	ND	ug/kg	760				
n-Nitrosodimethylamine	ND	ug/kg	3800				
2,4,6-Trichlorophenol	ND	ug/kg	380				
p-Chloro-m-cresol	ND	ug/kg	380				
2-Chlorophenol	ND	ug/kg	450				
2,4-Dichlorophenol	ND	ug/kg	760				
2,4-Dimethylphenol	ND	ug/kg	380				
2-Nitrophenol	ND	ug/kg	1500				
4-Nitrophenol	ND	ug/kg	760				
2,4-Dinitrophenol	ND	ug/kg	1500				
4,6-Dinitro-o-cresol	ND	ug/kg	1500				
Pentachlorophenol	ND	ug/kg	1500				
Phenol	ND	ug/kg	530				
2-Methylphenol	ND	ug/kg	450				
3-Methylphenol/4-Methylphenol	ND	ug/kg	450				
2,4,5-Trichlorophenol	ND	ug/kg	380				
2,6-Dichlorophenol	ND	ug/kg	760				
Benzoic Acid	ND	ug/kg	3800				
Benzyl Alcohol	ND	ug/kg	760				
Carbazole	ND	ug/kg	380				
Pyridine	ND	ug/kg	3800				
2-Picoline	ND	ug/kg	1500				
Pronamide	ND	ug/kg	1500				
Methyl methanesulfonate	ND	ug/kg	1500				
Surrogate(s)	Recovery		QC Criteria				
2-Fluorophenol	61.0	%	25-120				
Phenol-d6	92.0	%	10-120				
Nitrobenzene-d5	69.0	%	23-120				
2-Fluorobiphenyl	71.0	%	30-120				
2,4,6-Tribromophenol	96.0	%	19-120				
4-Terphenyl-d14	102	%	18-120				
PAH by GC/MS SIM 8270M				1 8270C-M	1103 20:35	1106 15:47	RL
Acenaphthene	82	ug/kg	76				
2-Chloronaphthalene	ND	ug/kg	76.				
Fluoranthene	4400	ug/kg	76				
Hexachlorobutadiene	ND	ug/kg	190				
Naphthalene	ND	ug/kg	76.				
Benzo(a)anthracene	1600	ug/kg	76				
Benzo(a)pyrene	1800	ug/kg	76				
Benzo(b)fluoranthene	1500	ug/kg	76				
Benzo(k)fluoranthene	1500	ug/kg	76				
Chrysene	1400	ug/kg	76				
Acenaphthylene	120	ug/kg	76				
Anthracene	390	ug/kg	76				
Benzo(ghi)perylene	840	ug/kg	76				
Fluorene	85	ug/kg	76				
Phenanthrene	1400	ug/kg	76				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0615863-08
 AK-SB-4 (9'-10')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
PAH by GC/MS SIM 8270M cont'd				1	8270C-M	1103 20:35	1106 15:47 RL
Dibenzo(a,h)anthracene	130	ug/kg	76				
Indeno(1,2,3-cd)Pyrene	640	ug/kg	76				
Pyrene	4100	ug/kg	76				
1-Methylnaphthalene	ND	ug/kg	76.				
2-Methylnaphthalene	ND	ug/kg	76.				
Pentachlorophenol	ND	ug/kg	300				
Hexachlorobenzene	ND	ug/kg	300				
Perylene	380	ug/kg	76				
Biphenyl	ND	ug/kg	76.				
2,6-Dimethylnaphthalene	ND	ug/kg	76.				
1-Methylphenanthrene	230	ug/kg	76				
Benzo(e)Pyrene	960	ug/kg	76				
Hexachloroethane	ND	ug/kg	300				
Surrogate(s)	Recovery		QC Criteria				
2-Fluorophenol	71.0	%	25-120				
Phenol-d6	96.0	%	10-120				
Nitrobenzene-d5	74.0	%	23-120				
2-Fluorobiphenyl	74.0	%	30-120				
2,4,6-Tribromophenol	71.0	%	19-120				
4-Terphenyl-d14	120	%	18-120				
Polychlorinated Biphenyls				1	8082	1103 16:00	1108 03:27 AK
Aroclor 1016	ND	ug/kg	37.9				
Aroclor 1221	ND	ug/kg	37.9				
Aroclor 1232	ND	ug/kg	37.9				
Aroclor 1242	ND	ug/kg	37.9				
Aroclor 1248	ND	ug/kg	37.9				
Aroclor 1254	ND	ug/kg	37.9				
Aroclor 1260	ND	ug/kg	37.9				
Surrogate(s)	Recovery		QC Criteria				
2,4,5,6-Tetrachloro-m-xylene	79.0	%	30-150				
Decachlorobiphenyl	59.0	%	30-150				
Organochlorine Pesticides				1	8081	1103 21:40	1108 07:18 JB
Delta-BHC	ND	ug/kg	18.9				
Lindane	ND	ug/kg	18.9				
Alpha-BHC	ND	ug/kg	18.9				
Beta-BHC	ND	ug/kg	18.9				
Heptachlor	ND	ug/kg	18.9				
Aldrin	ND	ug/kg	18.9				
Heptachlor epoxide	ND	ug/kg	18.9				
Endrin	ND	ug/kg	18.9				
Endrin aldehyde	ND	ug/kg	18.9				
Endrin ketone	ND	ug/kg	18.9				
Dieldrin	ND	ug/kg	18.9				
4,4'-DDE	ND	ug/kg	18.9				
4,4'-DDD	ND	ug/kg	18.9				

Comments: Complete list of References and Glossary of Terms found in Addendum I

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

Laboratory Sample Number: L0615863-08
AK-SB-4 (9'-10')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Organochlorine Pesticides cont'd				1 8081	1103 21:40	1108 07:18	JB
4,4'-DDT	ND	ug/kg	18.9				
Endosulfan I	ND	ug/kg	18.9				
Endosulfan II	ND	ug/kg	18.9				
Endosulfan sulfate	ND	ug/kg	18.9				
Methoxychlor	ND	ug/kg	75.8				
Toxaphene	ND	ug/kg	75.8				
Chlordane	ND	ug/kg	75.8				
cis-Chlordane	ND	ug/kg	18.9				
trans-Chlordane	ND	ug/kg	18.9				
Surrogate(s)	Recovery			QC Criteria			
2,4,5,6-Tetrachloro-m-xylene	71.0	%		30-150			
Decachlorobiphenyl	139	%		30-150			

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0615863-09 **Date Collected:** 01-NOV-2006 11:45
AK-SB-5 (1'-2') **Date Received :** 02-NOV-2006
Sample Matrix: SOIL **Date Reported :** 09-NOV-2006

Condition of Sample: Satisfactory **Field Prep:** None

Number & Type of Containers: 1-Amber,1-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Solids, Total	90	%	0.10	30 2540G	1107	12:01	PD
Total Metals				1 3051			
Aluminum, Total	7200	mg/kg	4.4	1 6010B	1103	18:30	1108 16:09 AI
Antimony, Total	ND	mg/kg	2.2	1 6010B	1103	18:30	1108 16:09 AI
Arsenic, Total	3.7	mg/kg	0.44	1 6010B	1103	18:30	1108 16:09 AI
Barium, Total	110	mg/kg	0.44	1 6010B	1103	18:30	1108 16:09 AI
Beryllium, Total	ND	mg/kg	2.2	1 6010B	1103	18:30	1109 11:02 AI
Cadmium, Total	0.54	mg/kg	0.44	1 6010B	1103	18:30	1108 16:09 AI
Calcium, Total	40000	mg/kg	44	1 6010B	1103	18:30	1109 11:02 AI
Chromium, Total	180	mg/kg	0.44	1 6010B	1103	18:30	1108 16:09 AI
Cobalt, Total	6.4	mg/kg	0.88	1 6010B	1103	18:30	1108 16:09 AI
Copper, Total	70	mg/kg	0.44	1 6010B	1103	18:30	1108 16:09 AI
Iron, Total	16000	mg/kg	2.2	1 6010B	1103	18:30	1108 16:09 AI
Lead, Total	170	mg/kg	2.2	1 6010B	1103	18:30	1108 16:09 AI
Magnesium, Total	14000	mg/kg	44	1 6010B	1103	18:30	1109 11:02 AI
Manganese, Total	210	mg/kg	0.44	1 6010B	1103	18:30	1108 16:09 AI
Mercury, Total	0.24	mg/kg	0.09	1 7471A	1106	16:25	1107 10:42 DM
Nickel, Total	20	mg/kg	1.1	1 6010B	1103	18:30	1108 16:09 AI
Potassium, Total	2300	mg/kg	110	1 6010B	1103	18:30	1108 16:09 AI
Selenium, Total	ND	mg/kg	0.88	1 6010B	1103	18:30	1108 16:09 AI
Silver, Total	ND	mg/kg	0.44	1 6010B	1103	18:30	1108 16:09 AI
Sodium, Total	250	mg/kg	88	1 6010B	1103	18:30	1108 16:09 AI
Thallium, Total	ND	mg/kg	0.44	1 6010B	1103	18:30	1108 16:09 AI
Vanadium, Total	35	mg/kg	0.44	1 6010B	1103	18:30	1108 16:09 AI
Zinc, Total	150	mg/kg	2.2	1 6010B	1103	18:30	1108 16:09 AI
Volatile Organics by GC/MS 8260				1 8260B	1107	21:55	RY
Methylene chloride	ND	ug/kg	28.				
1,1-Dichloroethane	ND	ug/kg	4.2				
Chloroform	ND	ug/kg	4.2				
Carbon tetrachloride	ND	ug/kg	2.8				
1,2-Dichloropropane	ND	ug/kg	9.7				
Dibromochloromethane	ND	ug/kg	2.8				
1,1,2-Trichloroethane	ND	ug/kg	4.2				
Tetrachloroethene	ND	ug/kg	2.8				
Chlorobenzene	ND	ug/kg	2.8				
Trichlorofluoromethane	ND	ug/kg	14.				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0615863-09
 AK-SB-5 (1'-2')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by GC/MS 8260 cont'd				1	8260B	1107	21:55 RY
1,2-Dichloroethane	ND	ug/kg	2.8				
1,1,1-Trichloroethane	ND	ug/kg	2.8				
Bromodichloromethane	ND	ug/kg	2.8				
trans-1,3-Dichloropropene	ND	ug/kg	2.8				
cis-1,3-Dichloropropene	ND	ug/kg	2.8				
1,1-Dichloropropene	ND	ug/kg	14.				
Bromoform	ND	ug/kg	11.				
1,1,2,2-Tetrachloroethane	ND	ug/kg	2.8				
Benzene	ND	ug/kg	2.8				
Toluene	ND	ug/kg	4.2				
Ethylbenzene	ND	ug/kg	2.8				
Chloromethane	ND	ug/kg	14.				
Bromomethane	ND	ug/kg	5.6				
Vinyl chloride	ND	ug/kg	5.6				
Chloroethane	ND	ug/kg	5.6				
1,1-Dichloroethene	ND	ug/kg	2.8				
trans-1,2-Dichloroethene	ND	ug/kg	4.2				
Trichloroethene	ND	ug/kg	2.8				
1,2-Dichlorobenzene	ND	ug/kg	14.				
1,3-Dichlorobenzene	ND	ug/kg	14.				
1,4-Dichlorobenzene	ND	ug/kg	14.				
Methyl tert butyl ether	ND	ug/kg	5.6				
p/m-Xylene	ND	ug/kg	5.6				
o-Xylene	ND	ug/kg	5.6				
cis-1,2-Dichloroethene	ND	ug/kg	2.8				
Dibromomethane	ND	ug/kg	28.				
1,4-Dichlorobutane	ND	ug/kg	28.				
Iodomethane	ND	ug/kg	28.				
1,2,3-Trichloropropane	ND	ug/kg	28.				
Styrene	ND	ug/kg	5.6				
Dichlorodifluoromethane	ND	ug/kg	28.				
Acetone	ND	ug/kg	28.				
Carbon disulfide	ND	ug/kg	28.				
2-Butanone	ND	ug/kg	28.				
Vinyl acetate	ND	ug/kg	28.				
4-Methyl-2-pentanone	ND	ug/kg	28.				
2-Hexanone	ND	ug/kg	28.				
Ethyl methacrylate	ND	ug/kg	28.				
Acrolein	ND	ug/kg	69.				
Acrylonitrile	ND	ug/kg	11.				
Bromochloromethane	ND	ug/kg	14.				
Tetrahydrofuran	ND	ug/kg	56.				
2,2-Dichloropropane	ND	ug/kg	14.				
1,2-Dibromoethane	ND	ug/kg	11.				
1,3-Dichloropropane	ND	ug/kg	14.				
1,1,1,2-Tetrachloroethane	ND	ug/kg	2.8				
Bromobenzene	ND	ug/kg	14.				
n-Butylbenzene	ND	ug/kg	2.8				
sec-Butylbenzene	ND	ug/kg	2.8				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0615863-09
AK-SB-5 (1'-2')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by GC/MS 8260 cont'd				1	8260B	1107	21:55 RY
tert-Butylbenzene	ND	ug/kg	14.				
o-Chlorotoluene	ND	ug/kg	14.				
p-Chlorotoluene	ND	ug/kg	14.				
1,2-Dibromo-3-chloropropane	ND	ug/kg	14.				
Hexachlorobutadiene	ND	ug/kg	14.				
Isopropylbenzene	ND	ug/kg	2.8				
p-Isopropyltoluene	ND	ug/kg	2.8				
Naphthalene	ND	ug/kg	14.				
n-Propylbenzene	ND	ug/kg	2.8				
1,2,3-Trichlorobenzene	ND	ug/kg	14.				
1,2,4-Trichlorobenzene	ND	ug/kg	14.				
1,3,5-Trimethylbenzene	ND	ug/kg	14.				
1,2,4-Trimethylbenzene	ND	ug/kg	14.				
trans-1,4-Dichloro-2-butene	ND	ug/kg	14.				
Ethyl ether	ND	ug/kg	14.				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	103	%	70-130				
Toluene-d8	96.0	%	70-130				
4-Bromofluorobenzene	121	%	70-130				
Dibromofluoromethane	99.0	%	70-130				
SVOC's by GC/MS 8270				1	8270C	1103	20:35 1106 19:20 RL
Acenaphthene	ND	ug/kg	370				
Benzidine	ND	ug/kg	3700				
1,2,4-Trichlorobenzene	ND	ug/kg	370				
Hexachlorobenzene	ND	ug/kg	370				
Bis(2-chloroethyl)ether	ND	ug/kg	370				
1-Chloronaphthalene	ND	ug/kg	370				
2-Chloronaphthalene	ND	ug/kg	440				
1,2-Dichlorobenzene	ND	ug/kg	370				
1,3-Dichlorobenzene	ND	ug/kg	370				
1,4-Dichlorobenzene	ND	ug/kg	370				
3,3'-Dichlorobenzidine	ND	ug/kg	740				
2,4-Dinitrotoluene	ND	ug/kg	370				
2,6-Dinitrotoluene	ND	ug/kg	370				
Azobenzene	ND	ug/kg	370				
Fluoranthene	1900	ug/kg	370				
4-Chlorophenyl phenyl ether	ND	ug/kg	370				
4-Bromophenyl phenyl ether	ND	ug/kg	370				
Bis(2-chloroisopropyl)ether	ND	ug/kg	370				
Bis(2-chloroethoxy)methane	ND	ug/kg	370				
Hexachlorobutadiene	ND	ug/kg	740				
Hexachlorocyclopentadiene	ND	ug/kg	740				
Hexachloroethane	ND	ug/kg	370				
Isophorone	1400	ug/kg	370				
Naphthalene	ND	ug/kg	370				
Nitrobenzene	ND	ug/kg	370				
NDPA/DPA	ND	ug/kg	1100				

Comments: Complete list of References and Glossary of Terms found in Addendum I

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

Laboratory Sample Number: L0615863-09
AK-SB-5 (1'-2')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
SVOC's by GC/MS 8270 cont'd				1 8270C	1103 20:35	1106 19:20	RL
n-Nitrosodi-n-propylamine	ND	ug/kg	370				
Bis(2-ethylhexyl)phthalate	ND	ug/kg	740				
Butyl benzyl phthalate	ND	ug/kg	370				
Di-n-butylphthalate	ND	ug/kg	370				
Di-n-octylphthalate	ND	ug/kg	370				
Diethyl phthalate	ND	ug/kg	370				
Dimethyl phthalate	ND	ug/kg	370				
Benzo(a)anthracene	920	ug/kg	370				
Benzo(a)pyrene	920	ug/kg	370				
Benzo(b)fluoranthene	850	ug/kg	370				
Benzo(k)fluoranthene	720	ug/kg	370				
Chrysene	880	ug/kg	370				
Acenaphthylene	ND	ug/kg	370				
Anthracene	ND	ug/kg	370				
Benzo(ghi)perylene	630	ug/kg	370				
Fluorene	ND	ug/kg	370				
Phenanthrene	1200	ug/kg	370				
Dibenzo(a,h)anthracene	ND	ug/kg	370				
Indeno(1,2,3-cd)pyrene	700	ug/kg	370				
Pyrene	1600	ug/kg	370				
Benzo(e)pyrene	640	ug/kg	370				
Biphenyl	ND	ug/kg	370				
Perylene	ND	ug/kg	370				
Aniline	ND	ug/kg	740				
4-Chloroaniline	ND	ug/kg	370				
1-Methylnaphthalene	ND	ug/kg	370				
2-Nitroaniline	ND	ug/kg	370				
3-Nitroaniline	ND	ug/kg	370				
4-Nitroaniline	ND	ug/kg	520				
Dibenzofuran	ND	ug/kg	370				
a,a-Dimethylphenethylamine	ND	ug/kg	3700				
Hexachloropropene	ND	ug/kg	740				
Nitrosodi-n-butylamine	ND	ug/kg	740				
2-Methylnaphthalene	ND	ug/kg	370				
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	1500				
Pentachlorobenzene	ND	ug/kg	1500				
a-Naphthylamine	ND	ug/kg	1500				
b-Naphthylamine	ND	ug/kg	1500				
Phenacetin	ND	ug/kg	740				
Dimethoate	ND	ug/kg	1500				
4-Aminobiphenyl	ND	ug/kg	740				
Pentachloronitrobenzene	ND	ug/kg	740				
Isodrin	ND	ug/kg	740				
p-Dimethylaminoazobenzene	ND	ug/kg	740				
Chlorobenzilate	ND	ug/kg	1500				
3-Methylcholanthrene	ND	ug/kg	1500				
Ethyl Methanesulfonate	ND	ug/kg	1100				
Acetophenone	ND	ug/kg	1500				
Nitrosodipiperidine	ND	ug/kg	1500				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0615863-09
 AK-SB-5 (1'-2')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
SVOC's by GC/MS 8270 cont'd				1 8270C	1103 20:35	1106 19:20	RL
7,12-Dimethylbenz(a)anthracene	ND	ug/kg	740				
n-Nitrosodimethylamine	ND	ug/kg	3700				
2,4,6-Trichlorophenol	ND	ug/kg	370				
p-Chloro-m-cresol	ND	ug/kg	370				
2-Chlorophenol	ND	ug/kg	440				
2,4-Dichlorophenol	ND	ug/kg	740				
2,4-Dimethylphenol	ND	ug/kg	370				
2-Nitrophenol	ND	ug/kg	1500				
4-Nitrophenol	ND	ug/kg	740				
2,4-Dinitrophenol	ND	ug/kg	1500				
4,6-Dinitro-o-cresol	ND	ug/kg	1500				
Pentachlorophenol	ND	ug/kg	1500				
Phenol	ND	ug/kg	520				
2-Methylphenol	ND	ug/kg	440				
3-Methylphenol/4-Methylphenol	ND	ug/kg	440				
2,4,5-Trichlorophenol	ND	ug/kg	370				
2,6-Dichlorophenol	ND	ug/kg	740				
Benzoic Acid	ND	ug/kg	3700				
Benzyl Alcohol	ND	ug/kg	740				
Carbazole	ND	ug/kg	370				
Pyridine	ND	ug/kg	3700				
2-Picoline	ND	ug/kg	1500				
Pronamide	ND	ug/kg	1500				
Methyl methanesulfonate	ND	ug/kg	1500				
Surrogate(s)	Recovery		QC Criteria				
2-Fluorophenol	49.0	%	25-120				
Phenol-d6	79.0	%	10-120				
Nitrobenzene-d5	62.0	%	23-120				
2-Fluorobiphenyl	57.0	%	30-120				
2,4,6-Tribromophenol	41.0	%	19-120				
4-Terphenyl-d14	65.0	%	18-120				
PAH by GC/MS SIM 8270M				1 8270C-M	1103 20:35	1106 17:10	RL
Acenaphthene	140	ug/kg	74				
2-Chloronaphthalene	ND	ug/kg	74.				
Fluoranthene	2300	ug/kg	74				
Hexachlorobutadiene	ND	ug/kg	180				
Naphthalene	ND	ug/kg	74.				
Benzo(a)anthracene	1400	ug/kg	74				
Benzo(a)pyrene	1700	ug/kg	74				
Benzo(b)fluoranthene	1400	ug/kg	74				
Benzo(k)fluoranthene	980	ug/kg	74				
Chrysene	1000	ug/kg	74				
Acenaphthylene	160	ug/kg	74				
Anthracene	490	ug/kg	74				
Benzo(ghi)perylene	510	ug/kg	74				
Fluorene	140	ug/kg	74				
Phenanthrene	1400	ug/kg	74				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0615863-09
 AK-SB-5 (1'-2')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
PAH by GC/MS SIM 8270M cont'd				1	8270C-M	1103 20:35	1106 17:10 RL
Dibenzo(a,h)anthracene	170	ug/kg	74				
Indeno(1,2,3-cd)Pyrene	600	ug/kg	74				
Pyrene	2100	ug/kg	74				
1-Methylnaphthalene	ND	ug/kg	74.				
2-Methylnaphthalene	ND	ug/kg	74.				
Pentachlorophenol	ND	ug/kg	300				
Hexachlorobenzene	ND	ug/kg	300				
Perylene	290	ug/kg	74				
Biphenyl	ND	ug/kg	74.				
2,6-Dimethylnaphthalene	ND	ug/kg	74.				
1-Methylphenanthrene	160	ug/kg	74				
Benzo(e)Pyrene	720	ug/kg	74				
Hexachloroethane	ND	ug/kg	300				
Surrogate(s)	Recovery		QC Criteria				
2-Fluorophenol	53.0	%	25-120				
Phenol-d6	85.0	%	10-120				
Nitrobenzene-d5	60.0	%	23-120				
2-Fluorobiphenyl	57.0	%	30-120				
2,4,6-Tribromophenol	45.0	%	19-120				
4-Terphenyl-d14	77.0	%	18-120				
Polychlorinated Biphenyls				1	8082	1103 16:00	1108 03:55 AK
Aroclor 1016	ND	ug/kg	37.0				
Aroclor 1221	ND	ug/kg	37.0				
Aroclor 1232	ND	ug/kg	37.0				
Aroclor 1242	ND	ug/kg	37.0				
Aroclor 1248	ND	ug/kg	37.0				
Aroclor 1254	ND	ug/kg	37.0				
Aroclor 1260	ND	ug/kg	37.0				
Surrogate(s)	Recovery		QC Criteria				
2,4,5,6-Tetrachloro-m-xylene	83.0	%	30-150				
Decachlorobiphenyl	63.0	%	30-150				
Organochlorine Pesticides				1	8081	1103 21:40	1108 07:47 JB
Delta-BHC	ND	ug/kg	37.0				
Lindane	ND	ug/kg	37.0				
Alpha-BHC	ND	ug/kg	37.0				
Beta-BHC	ND	ug/kg	37.0				
Heptachlor	ND	ug/kg	37.0				
Aldrin	ND	ug/kg	37.0				
Heptachlor epoxide	ND	ug/kg	37.0				
Endrin	ND	ug/kg	37.0				
Endrin aldehyde	ND	ug/kg	37.0				
Endrin ketone	ND	ug/kg	37.0				
Dieldrin	ND	ug/kg	37.0				
4,4'-DDE	ND	ug/kg	37.0				
4,4'-DDD	ND	ug/kg	37.0				

Comments: Complete list of References and Glossary of Terms found in Addendum I

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

Laboratory Sample Number: L0615863-09
AK-SB-5 (1'-2')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Organochlorine Pesticides cont'd				1 8081	1103 21:40	1108 07:47	JB
4,4'-DDT	ND	ug/kg	37.0				
Endosulfan I	ND	ug/kg	37.0				
Endosulfan II	ND	ug/kg	37.0				
Endosulfan sulfate	ND	ug/kg	37.0				
Methoxychlor	ND	ug/kg	148.				
Toxaphene	ND	ug/kg	148.				
Chlordane	ND	ug/kg	148.				
cis-Chlordane	ND	ug/kg	37.0				
trans-Chlordane	ND	ug/kg	37.0				
Surrogate(s)	Recovery			QC Criteria			
2,4,5,6-Tetrachloro-m-xylene	ND	%		30-150			
Decachlorobiphenyl	ND	%		30-150			

Comments: Complete list of References and Glossary of Terms found in Addendum I

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0615863-10	Date Collected: 01-NOV-2006 12:10
AK-SB-5 (8'-9')	Date Received : 02-NOV-2006
Sample Matrix: SOIL	Date Reported : 09-NOV-2006
Condition of Sample: Satisfactory	Field Prep: None
Number & Type of Containers: 1-Amber,1-Vial	

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Solids, Total	90	%	0.10	30 2540G		1107 12:01	PD
Total Metals				1 3051			
Aluminum, Total	5700	mg/kg	4.4	1 6010B	1103 18:30	1108 16:13	AI
Antimony, Total	ND	mg/kg	2.2	1 6010B	1103 18:30	1108 16:13	AI
Arsenic, Total	3.4	mg/kg	0.44	1 6010B	1103 18:30	1108 16:13	AI
Barium, Total	110	mg/kg	0.44	1 6010B	1103 18:30	1108 16:13	AI
Beryllium, Total	ND	mg/kg	0.22	1 6010B	1103 18:30	1108 16:13	AI
Cadmium, Total	0.60	mg/kg	0.44	1 6010B	1103 18:30	1108 16:13	AI
Calcium, Total	32000	mg/kg	44	1 6010B	1103 18:30	1109 11:05	AI
Chromium, Total	16	mg/kg	0.44	1 6010B	1103 18:30	1108 16:13	AI
Cobalt, Total	4.6	mg/kg	0.89	1 6010B	1103 18:30	1108 16:13	AI
Copper, Total	97	mg/kg	0.44	1 6010B	1103 18:30	1108 16:13	AI
Iron, Total	13000	mg/kg	2.2	1 6010B	1103 18:30	1108 16:13	AI
Lead, Total	190	mg/kg	2.2	1 6010B	1103 18:30	1108 16:13	AI
Magnesium, Total	13000	mg/kg	44	1 6010B	1103 18:30	1109 11:05	AI
Manganese, Total	140	mg/kg	0.44	1 6010B	1103 18:30	1108 16:13	AI
Mercury, Total	0.24	mg/kg	0.09	1 7471A	1106 16:25	1107 10:44	DM
Nickel, Total	10	mg/kg	1.1	1 6010B	1103 18:30	1108 16:13	AI
Potassium, Total	2200	mg/kg	110	1 6010B	1103 18:30	1108 16:13	AI
Selenium, Total	ND	mg/kg	0.89	1 6010B	1103 18:30	1108 16:13	AI
Silver, Total	ND	mg/kg	0.44	1 6010B	1103 18:30	1108 16:13	AI
Sodium, Total	180	mg/kg	89	1 6010B	1103 18:30	1108 16:13	AI
Thallium, Total	ND	mg/kg	0.44	1 6010B	1103 18:30	1108 16:13	AI
Vanadium, Total	25	mg/kg	0.44	1 6010B	1103 18:30	1108 16:13	AI
Zinc, Total	220	mg/kg	2.2	1 6010B	1103 18:30	1108 16:13	AI
Volatile Organics by GC/MS 8260				1 8260B		1107 22:30	RY
Methylene chloride	ND	ug/kg	28.				
1,1-Dichloroethane	ND	ug/kg	4.2				
Chloroform	ND	ug/kg	4.2				
Carbon tetrachloride	ND	ug/kg	2.8				
1,2-Dichloropropane	ND	ug/kg	9.7				
Dibromochloromethane	ND	ug/kg	2.8				
1,1,2-Trichloroethane	ND	ug/kg	4.2				
Tetrachloroethene	ND	ug/kg	2.8				
Chlorobenzene	ND	ug/kg	2.8				
Trichlorofluoromethane	ND	ug/kg	14.				

Comments: Complete list of References and Glossary of Terms found in Addendum I

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

Laboratory Sample Number: L0615863-10
AK-SB-5 (8'-9')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by GC/MS 8260 cont'd				1	8260B	1107	22:30 RY
1,2-Dichloroethane	ND	ug/kg	2.8				
1,1,1-Trichloroethane	ND	ug/kg	2.8				
Bromodichloromethane	ND	ug/kg	2.8				
trans-1,3-Dichloropropene	ND	ug/kg	2.8				
cis-1,3-Dichloropropene	ND	ug/kg	2.8				
1,1-Dichloropropene	ND	ug/kg	14.				
Bromoform	ND	ug/kg	11.				
1,1,2,2-Tetrachloroethane	ND	ug/kg	2.8				
Benzene	ND	ug/kg	2.8				
Toluene	ND	ug/kg	4.2				
Ethylbenzene	ND	ug/kg	2.8				
Chloromethane	ND	ug/kg	14.				
Bromomethane	ND	ug/kg	5.6				
Vinyl chloride	ND	ug/kg	5.6				
Chloroethane	ND	ug/kg	5.6				
1,1-Dichloroethene	ND	ug/kg	2.8				
trans-1,2-Dichloroethene	ND	ug/kg	4.2				
Trichloroethene	ND	ug/kg	2.8				
1,2-Dichlorobenzene	ND	ug/kg	14.				
1,3-Dichlorobenzene	ND	ug/kg	14.				
1,4-Dichlorobenzene	ND	ug/kg	14.				
Methyl tert butyl ether	ND	ug/kg	5.6				
p/m-Xylene	ND	ug/kg	5.6				
o-Xylene	ND	ug/kg	5.6				
cis-1,2-Dichloroethene	ND	ug/kg	2.8				
Dibromomethane	ND	ug/kg	28.				
1,4-Dichlorobutane	ND	ug/kg	28.				
Iodomethane	ND	ug/kg	28.				
1,2,3-Trichloropropane	ND	ug/kg	28.				
Styrene	ND	ug/kg	5.6				
Dichlorodifluoromethane	ND	ug/kg	28.				
Acetone	ND	ug/kg	28.				
Carbon disulfide	ND	ug/kg	28.				
2-Butanone	ND	ug/kg	28.				
Vinyl acetate	ND	ug/kg	28.				
4-Methyl-2-pentanone	ND	ug/kg	28.				
2-Hexanone	ND	ug/kg	28.				
Ethyl methacrylate	ND	ug/kg	28.				
Acrolein	ND	ug/kg	69.				
Acrylonitrile	ND	ug/kg	11.				
Bromochloromethane	ND	ug/kg	14.				
Tetrahydrofuran	ND	ug/kg	56.				
2,2-Dichloropropane	ND	ug/kg	14.				
1,2-Dibromoethane	ND	ug/kg	11.				
1,3-Dichloropropane	ND	ug/kg	14.				
1,1,1,2-Tetrachloroethane	ND	ug/kg	2.8				
Bromobenzene	ND	ug/kg	14.				
n-Butylbenzene	ND	ug/kg	2.8				
sec-Butylbenzene	ND	ug/kg	2.8				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0615863-10
AK-SB-5 (8'-9')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by GC/MS 8260 cont'd				1	8260B	1107	22:30 RY
tert-Butylbenzene	ND	ug/kg	14.				
o-Chlorotoluene	ND	ug/kg	14.				
p-Chlorotoluene	ND	ug/kg	14.				
1,2-Dibromo-3-chloropropane	ND	ug/kg	14.				
Hexachlorobutadiene	ND	ug/kg	14.				
Isopropylbenzene	ND	ug/kg	2.8				
p-Isopropyltoluene	ND	ug/kg	2.8				
Naphthalene	490	ug/kg	14				
n-Propylbenzene	ND	ug/kg	2.8				
1,2,3-Trichlorobenzene	ND	ug/kg	14.				
1,2,4-Trichlorobenzene	ND	ug/kg	14.				
1,3,5-Trimethylbenzene	ND	ug/kg	14				
1,2,4-Trimethylbenzene	20	ug/kg	14				
trans-1,4-Dichloro-2-butene	ND	ug/kg	14.				
Ethyl ether	ND	ug/kg	14.				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	105	%	70-130				
Toluene-d8	99.0	%	70-130				
4-Bromofluorobenzene	122	%	70-130				
Dibromofluoromethane	97.0	%	70-130				
SVOC's by GC/MS 8270				1	8270C	1103	20:35 1106 19:45 RL
Acenaphthene	800	ug/kg	670				
Benzidine	ND	ug/kg	6700				
1,2,4-Trichlorobenzene	ND	ug/kg	670				
Hexachlorobenzene	ND	ug/kg	670				
Bis(2-chloroethyl)ether	ND	ug/kg	670				
1-Chloronaphthalene	ND	ug/kg	670				
2-Chloronaphthalene	ND	ug/kg	800				
1,2-Dichlorobenzene	ND	ug/kg	670				
1,3-Dichlorobenzene	ND	ug/kg	670				
1,4-Dichlorobenzene	ND	ug/kg	670				
3,3'-Dichlorobenzidine	ND	ug/kg	1300				
2,4-Dinitrotoluene	ND	ug/kg	670				
2,6-Dinitrotoluene	ND	ug/kg	670				
Azobenzene	ND	ug/kg	670				
Fluoranthene	16000	ug/kg	670				
4-Chlorophenyl phenyl ether	ND	ug/kg	670				
4-Bromophenyl phenyl ether	ND	ug/kg	670				
Bis(2-chloroisopropyl)ether	ND	ug/kg	670				
Bis(2-chloroethoxy)methane	ND	ug/kg	670				
Hexachlorobutadiene	ND	ug/kg	1300				
Hexachlorocyclopentadiene	ND	ug/kg	1300				
Hexachloroethane	ND	ug/kg	670				
Isophorone	ND	ug/kg	670				
Naphthalene	700	ug/kg	670				
Nitrobenzene	ND	ug/kg	670				
NDPA/DPA	ND	ug/kg	2000				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0615863-10
 AK-SB-5 (8'-9')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
SVOC's by GC/MS 8270 cont'd				1 8270C	1103 20:35	1106 19:45	RL
n-Nitrosodi-n-propylamine	ND	ug/kg	670				
Bis(2-ethylhexyl)phthalate	ND	ug/kg	1300				
Butyl benzyl phthalate	ND	ug/kg	670				
Di-n-butylphthalate	ND	ug/kg	670				
Di-n-octylphthalate	ND	ug/kg	670				
Diethyl phthalate	ND	ug/kg	670				
Dimethyl phthalate	ND	ug/kg	670				
Benzo(a)anthracene	6900	ug/kg	670				
Benzo(a)pyrene	7100	ug/kg	670				
Benzo(b)fluoranthene	7000	ug/kg	670				
Benzo(k)fluoranthene	5200	ug/kg	670				
Chrysene	6900	ug/kg	670				
Acenaphthylene	ND	ug/kg	670				
Anthracene	2200	ug/kg	670				
Benzo(ghi)perylene	5000	ug/kg	670				
Fluorene	770	ug/kg	670				
Phenanthrene	7800	ug/kg	670				
Dibenzo(a,h)anthracene	1300	ug/kg	670				
Indeno(1,2,3-cd)pyrene	5200	ug/kg	670				
Pyrene	13000	ug/kg	670				
Benzo(e)pyrene	4600	ug/kg	670				
Biphenyl	ND	ug/kg	670				
Perylene	1800	ug/kg	670				
Aniline	ND	ug/kg	1300				
4-Chloroaniline	ND	ug/kg	670				
1-Methylnaphthalene	ND	ug/kg	670				
2-Nitroaniline	ND	ug/kg	670				
3-Nitroaniline	ND	ug/kg	670				
4-Nitroaniline	ND	ug/kg	930				
Dibenzofuran	ND	ug/kg	670				
a,a-Dimethylphenethylamine	ND	ug/kg	6700				
Hexachloropropene	ND	ug/kg	1300				
Nitrosodi-n-butylamine	ND	ug/kg	1300				
2-Methylnaphthalene	ND	ug/kg	670				
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	2700				
Pentachlorobenzene	ND	ug/kg	2700				
a-Naphthylamine	ND	ug/kg	2700				
b-Naphthylamine	ND	ug/kg	2700				
Phenacetin	ND	ug/kg	1300				
Dimethoate	ND	ug/kg	2700				
4-Aminobiphenyl	ND	ug/kg	1300				
Pentachloronitrobenzene	ND	ug/kg	1300				
Isodrin	ND	ug/kg	1300				
p-Dimethylaminoazobenzene	ND	ug/kg	1300				
Chlorobenzilate	ND	ug/kg	2700				
3-Methylcholanthrene	ND	ug/kg	2700				
Ethyl Methanesulfonate	ND	ug/kg	2000				
Acetophenone	ND	ug/kg	2700				
Nitrosodipiperidine	ND	ug/kg	2700				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0615863-10
 AK-SB-5 (8'-9')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
SVOC's by GC/MS 8270 cont'd				1 8270C	1103 20:35	1106 19:45	RL
7,12-Dimethylbenz(a)anthracene	ND	ug/kg	1300				
n-Nitrosodimethylamine	ND	ug/kg	6700				
2,4,6-Trichlorophenol	ND	ug/kg	670				
p-Chloro-m-cresol	ND	ug/kg	670				
2-Chlorophenol	ND	ug/kg	800				
2,4-Dichlorophenol	ND	ug/kg	1300				
2,4-Dimethylphenol	ND	ug/kg	670				
2-Nitrophenol	ND	ug/kg	2700				
4-Nitrophenol	ND	ug/kg	1300				
2,4-Dinitrophenol	ND	ug/kg	2700				
4,6-Dinitro-o-cresol	ND	ug/kg	2700				
Pentachlorophenol	ND	ug/kg	2700				
Phenol	ND	ug/kg	930				
2-Methylphenol	ND	ug/kg	800				
3-Methylphenol/4-Methylphenol	ND	ug/kg	800				
2,4,5-Trichlorophenol	ND	ug/kg	670				
2,6-Dichlorophenol	ND	ug/kg	1300				
Benzoic Acid	ND	ug/kg	6700				
Benzyl Alcohol	ND	ug/kg	1300				
Carbazole	800	ug/kg	670				
Pyridine	ND	ug/kg	6700				
2-Picoline	ND	ug/kg	2700				
Pronamide	ND	ug/kg	2700				
Methyl methanesulfonate	ND	ug/kg	2700				
Surrogate(s)	Recovery		QC Criteria				
2-Fluorophenol	75.0	%	25-120				
Phenol-d6	117	%	10-120				
Nitrobenzene-d5	87.0	%	23-120				
2-Fluorobiphenyl	88.0	%	30-120				
2,4,6-Tribromophenol	85.0	%	19-120				
4-Terphenyl-d14	99.0	%	18-120				
PAH by GC/MS SIM 8270M				1 8270C-M	1103 20:35	1106 16:40	RL
Acenaphthene	950	ug/kg	130				
2-Chloronaphthalene	ND	ug/kg	130				
Fluoranthene	22000	ug/kg	130				
Hexachlorobutadiene	ND	ug/kg	330				
Naphthalene	820	ug/kg	130				
Benzo(a)anthracene	10000	ug/kg	130				
Benzo(a)pyrene	10000	ug/kg	130				
Benzo(b)fluoranthene	9800	ug/kg	130				
Benzo(k)fluoranthene	8300	ug/kg	130				
Chrysene	7900	ug/kg	130				
Acenaphthylene	480	ug/kg	130				
Anthracene	3100	ug/kg	130				
Benzo(ghi)perylene	5300	ug/kg	130				
Fluorene	850	ug/kg	130				
Phenanthrene	7700	ug/kg	130				

Comments: Complete list of References and Glossary of Terms found in Addendum I

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

Laboratory Sample Number: L0615863-10
AK-SB-5 (8'-9')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
PAH by GC/MS SIM 8270M cont'd				1	8270C-M	1103 20:35	1106 16:40 RL
Dibenzo(a,h)anthracene	1200	ug/kg	130				
Indeno(1,2,3-cd)Pyrene	4400	ug/kg	130				
Pyrene	20000	ug/kg	130				
1-Methylnaphthalene	300	ug/kg	130				
2-Methylnaphthalene	480	ug/kg	130				
Pentachlorophenol	ND	ug/kg	530				
Hexachlorobenzene	ND	ug/kg	530				
Perylene	1900	ug/kg	130				
Biphenyl	ND	ug/kg	130				
2,6-Dimethylnaphthalene	150	ug/kg	130				
1-Methylphenanthrene	800	ug/kg	130				
Benzo(e)Pyrene	5900	ug/kg	130				
Hexachloroethane	ND	ug/kg	530				
Surrogate(s)	Recovery		QC Criteria				
2-Fluorophenol	79.0	%	25-120				
Phenol-d6	107	%	10-120				
Nitrobenzene-d5	84.0	%	23-120				
2-Fluorobiphenyl	98.0	%	30-120				
2,4,6-Tribromophenol	72.0	%	19-120				
4-Terphenyl-d14	109	%	18-120				
Polychlorinated Biphenyls				1	8082	1103 16:00	1108 04:24 AK
Aroclor 1016	ND	ug/kg	37.0				
Aroclor 1221	ND	ug/kg	37.0				
Aroclor 1232	ND	ug/kg	37.0				
Aroclor 1242	ND	ug/kg	37.0				
Aroclor 1248	ND	ug/kg	37.0				
Aroclor 1254	81.3	ug/kg	37.0				
Aroclor 1260	ND	ug/kg	37.0				
Surrogate(s)	Recovery		QC Criteria				
2,4,5,6-Tetrachloro-m-xylene	50.0	%	30-150				
Decachlorobiphenyl	36.0	%	30-150				
Organochlorine Pesticides				1	8081	1103 21:40	1108 08:15 JB
Delta-BHC	ND	ug/kg	148.				
Lindane	ND	ug/kg	148.				
Alpha-BHC	ND	ug/kg	148.				
Beta-BHC	ND	ug/kg	148.				
Heptachlor	ND	ug/kg	148.				
Aldrin	ND	ug/kg	148.				
Heptachlor epoxide	ND	ug/kg	148.				
Endrin	ND	ug/kg	148.				
Endrin aldehyde	ND	ug/kg	148.				
Endrin ketone	ND	ug/kg	148.				
Dieldrin	ND	ug/kg	148.				
4,4'-DDE	ND	ug/kg	148.				
4,4'-DDD	ND	ug/kg	148.				

Comments: Complete list of References and Glossary of Terms found in Addendum I

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

Laboratory Sample Number: L0615863-10
AK-SB-5 (8'-9')

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Organochlorine Pesticides cont'd				1 8081	1103 21:40	1108 08:15	JB
4,4'-DDT	ND	ug/kg	148				
Endosulfan I	ND	ug/kg	148.				
Endosulfan II	ND	ug/kg	148.				
Endosulfan sulfate	ND	ug/kg	148.				
Methoxychlor	ND	ug/kg	592.				
Toxaphene	ND	ug/kg	592.				
Chlordane	ND	ug/kg	592.				
cis-Chlordane	ND	ug/kg	148.				
trans-Chlordane	ND	ug/kg	148.				
Surrogate(s)	Recovery			QC Criteria			
2,4,5,6-Tetrachloro-m-xylene	ND	%		30-150			
Decachlorobiphenyl	ND	%		30-150			

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0615863-11	Date Collected: 02-NOV-2006 09:05
Sample Matrix: TRIP BLANK	Date Received : 02-NOV-2006
Sample Matrix: WATER	Date Reported : 09-NOV-2006
Condition of Sample: Satisfactory	Field Prep: None
Number & Type of Containers: 2-Vial	

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Volatile Organics by GC/MS 8260				1 8260B	1107 11:56	RY
Methylene chloride	ND	ug/l	5.0			
1,1-Dichloroethane	ND	ug/l	0.75			
Chloroform	ND	ug/l	0.75			
Carbon tetrachloride	ND	ug/l	0.50			
1,2-Dichloropropane	ND	ug/l	1.8			
Dibromochloromethane	ND	ug/l	0.50			
1,1,2-Trichloroethane	ND	ug/l	0.75			
Tetrachloroethene	ND	ug/l	0.50			
Chlorobenzene	ND	ug/l	0.50			
Trichlorofluoromethane	ND	ug/l	2.5			
1,2-Dichloroethane	ND	ug/l	0.50			
1,1,1-Trichloroethane	ND	ug/l	0.50			
Bromodichloromethane	ND	ug/l	0.50			
trans-1,3-Dichloropropene	ND	ug/l	0.50			
cis-1,3-Dichloropropene	ND	ug/l	0.50			
1,1-Dichloropropene	ND	ug/l	2.5			
Bromoform	ND	ug/l	2.0			
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50			
Benzene	ND	ug/l	0.50			
Toluene	ND	ug/l	0.75			
Ethylbenzene	ND	ug/l	0.50			
Chloromethane	ND	ug/l	2.5			
Bromomethane	ND	ug/l	1.0			
Vinyl chloride	ND	ug/l	1.0			
Chloroethane	ND	ug/l	1.0			
1,1-Dichloroethene	ND	ug/l	0.50			
trans-1,2-Dichloroethene	ND	ug/l	0.75			
Trichloroethene	ND	ug/l	0.50			
1,2-Dichlorobenzene	ND	ug/l	2.5			
1,3-Dichlorobenzene	ND	ug/l	2.5			
1,4-Dichlorobenzene	ND	ug/l	2.5			
Methyl tert butyl ether	ND	ug/l	1.0			
p/m-Xylene	ND	ug/l	1.0			
o-Xylene	ND	ug/l	1.0			
cis-1,2-Dichloroethene	ND	ug/l	0.50			
Dibromomethane	ND	ug/l	5.0			
1,4-Dichlorobutane	ND	ug/l	5.0			
Iodomethane	ND	ug/l	5.0			

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0615863-11
 TRIP BLANK

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by GC/MS 8260 cont'd				1	8260B	1107	11:56 RY
1,2,3-Trichloropropane	ND	ug/l	5.0				
Styrene	ND	ug/l	1.0				
Dichlorodifluoromethane	ND	ug/l	5.0				
Acetone	ND	ug/l	5.0				
Carbon disulfide	ND	ug/l	5.0				
2-Butanone	ND	ug/l	5.0				
Vinyl acetate	ND	ug/l	5.0				
4-Methyl-2-pentanone	ND	ug/l	5.0				
2-Hexanone	ND	ug/l	5.0				
Ethyl methacrylate	ND	ug/l	5.0				
Acrolein	ND	ug/l	12.				
Acrylonitrile	ND	ug/l	5.0				
Bromochloromethane	ND	ug/l	2.5				
Tetrahydrofuran	ND	ug/l	10.				
2,2-Dichloropropane	ND	ug/l	2.5				
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
Bromobenzene	ND	ug/l	2.5				
n-Butylbenzene	ND	ug/l	0.50				
sec-Butylbenzene	ND	ug/l	0.50				
tert-Butylbenzene	ND	ug/l	2.5				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	0.60				
Isopropylbenzene	ND	ug/l	0.50				
p-Isopropyltoluene	ND	ug/l	0.50				
Naphthalene	ND	ug/l	2.5				
n-Propylbenzene	ND	ug/l	0.50				
1,2,3-Trichlorobenzene	ND	ug/l	2.5				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				
1,3,5-Trimethylbenzene	ND	ug/l	2.5				
1,2,4-Trimethylbenzene	ND	ug/l	2.5				
trans-1,4-Dichloro-2-butene	ND	ug/l	2.5				
Ethyl ether	ND	ug/l	2.5				
Surrogate(s)	Recovery			QC Criteria			
1,2-Dichloroethane-d4	112	%		70-130			
Toluene-d8	117	%		70-130			
4-Bromofluorobenzene	119	%		70-130			
Dibromofluoromethane	104	%		70-130			

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH DUPLICATE ANALYSIS

Laboratory Job Number: L0615863

Parameter	Value 1	Value 2	Units	RPD	RPD Limits
Solids, Total for sample(s) 03 (L0615685-02, WG259457-1)					
Solids, Total	93	93	%	0	20
Solids, Total for sample(s) 01-02,04-10 (L0615863-10, WG259746-1)					
Solids, Total	90	90	%	0	20
Total Metals for sample(s) 01-10 (L0615863-01, WG259539-1)					
Aluminum, Total	4800	5100	mg/kg	6	35
Antimony, Total	3.8	4.7	mg/kg	21	35
Arsenic, Total	4.6	3.7	mg/kg	22	35
Barium, Total	58	71	mg/kg	20	35
Beryllium, Total	ND	ND	mg/kg	NC	35
Cadmium, Total	0.98	0.82	mg/kg	18	35
Calcium, Total	39000	36000	mg/kg	8	35
Chromium, Total	13	14	mg/kg	7	35
Cobalt, Total	5.8	6.0	mg/kg	3	35
Copper, Total	160	180	mg/kg	12	35
Iron, Total	20000	13000	mg/kg	42	35
Lead, Total	320	360	mg/kg	12	35
Magnesium, Total	10000	9700	mg/kg	3	35
Manganese, Total	180	190	mg/kg	5	35
Nickel, Total	15	14	mg/kg	7	35
Potassium, Total	1100	1500	mg/kg	31	35
Selenium, Total	ND	ND	mg/kg	NC	35
Silver, Total	ND	ND	mg/kg	NC	35
Sodium, Total	230	200	mg/kg	14	35
Thallium, Total	ND	ND	mg/kg	NC	35
Vanadium, Total	30	31	mg/kg	3	35
Zinc, Total	360	370	mg/kg	3	35
Total Metals for sample(s) 01-10 (L0615863-05, WG259651-3)					
Mercury, Total	0.43	0.47	mg/kg	9	35

**ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES**

Laboratory Job Number: L0615863

Parameter	% Recovery	QC Criteria
Total Metals LCS for sample(s) 01-10 (WG259539-4)		
Aluminum, Total	94	70-140
Antimony, Total	91	70-140
Arsenic, Total	95	70-140
Barium, Total	94	70-140
Beryllium, Total	96	70-140
Cadmium, Total	94	70-140
Calcium, Total	91	70-140
Chromium, Total	94	70-140
Cobalt, Total	91	70-140
Copper, Total	88	70-140
Iron, Total	94	70-140
Lead, Total	94	70-140
Magnesium, Total	94	70-140
Manganese, Total	91	70-140
Nickel, Total	86	70-140
Potassium, Total	86	70-140
Selenium, Total	97	70-140
Silver, Total	97	70-140
Sodium, Total	91	70-140
Thallium, Total	95	70-140
Vanadium, Total	91	70-140
Zinc, Total	91	70-140
Total Metals LCS for sample(s) 01-10 (WG259651-1)		
Mercury, Total	96	85-115
Volatile Organics by GC/MS 8260 LCS for sample(s) 01-10 (WG260054-3)		
Chlorobenzene	95	60-133
Benzene	95	66-142
Toluene	89	59-139
1,1-Dichloroethene	100	59-172
Trichloroethene	97	62-137
Surrogate(s)		
1,2-Dichloroethane-d4	98	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	102	70-130
Dibromofluoromethane	100	70-130
SVOC's by GC/MS 8270 LCS for sample(s) 01-10 (WG259543-2)		
Acenaphthene	65	31-137
1,2,4-Trichlorobenzene	56	38-107
2-Chloronaphthalene	63	40-140
1,2-Dichlorobenzene	51	40-140
1,4-Dichlorobenzene	52	28-104
2,4-Dinitrotoluene	86	28-89
2,6-Dinitrotoluene	86	40-140
Fluoranthene	90	40-140

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0615863

Continued

Parameter	% Recovery	QC Criteria
SVOC's by GC/MS 8270 LCS for sample(s) 01-10 (WG259543-2)		
4-Chlorophenyl phenyl ether	76	40-140
n-Nitrosodi-n-propylamine	50	41-126
Butyl benzyl phthalate	88	40-140
Anthracene	83	40-140
Pyrene	85	35-142
Hexachloropropene	61	40-140
P-Chloro-M-Cresol	67	26-103
2-Chlorophenol	51	25-102
2-Nitrophenol	51	30-130
4-Nitrophenol	82	11-114
2,4-Dinitrophenol	42	30-130
Pentachlorophenol	76	17-109
Phenol	48	26-90
Surrogate(s)		
2-Fluorophenol	47	25-120
Phenol-d6	72	10-120
Nitrobenzene-d5	55	23-120
2-Fluorobiphenyl	58	30-120
2,4,6-Tribromophenol	81	19-120
4-Terphenyl-d14	85	18-120
PAH by GC/MS SIM 8270M LCS for sample(s) 01-10 (WG259544-2)		
Acenaphthene	60	31-137
2-Chloronaphthalene	58	40-140
Fluoranthene	81	40-140
Anthracene	88	40-140
Pyrene	88	35-142
Pentachlorophenol	48	17-109
Surrogate(s)		
2-Fluorophenol	60	25-120
Phenol-d6	81	10-120
Nitrobenzene-d5	58	23-120
2-Fluorobiphenyl	53	30-120
2,4,6-Tribromophenol	63	19-120
4-Terphenyl-d14	98	18-120
Polychlorinated Biphenyls LCS for sample(s) 01-10 (WG259491-2)		
Aroclor 1016	48	40-140
Aroclor 1260	56	40-140
Surrogate(s)		
2,4,5,6-Tetrachloro-m-xylene	41	30-150
Decachlorobiphenyl	44	30-150

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0615863

Continued

Parameter	% Recovery	QC Criteria
Organochlorine Pesticides LCS for sample(s) 01-10 (WG259542-2)		
Delta-BHC	76	30-150
Lindane	72	30-150
Alpha-BHC	70	30-150
Beta-BHC	75	30-150
Heptachlor	82	30-150
Aldrin	71	30-150
Heptachlor epoxide	76	30-150
Endrin	87	30-150
Endrin aldehyde	57	30-150
Endrin ketone	72	30-150
Dieldrin	78	30-150
4,4'-DDE	77	30-150
4,4'-DDD	93	30-150
4,4'-DDT	82	30-150
Endosulfan I	75	30-150
Endosulfan II	75	30-150
Endosulfan sulfate	75	30-150
Methoxychlor	101	30-150
cis-Chlordane	74	30-150
trans-Chlordane	78	30-150
Surrogate(s)		
2,4,5,6-Tetrachloro-m-xylene	64	30-150
Decachlorobiphenyl	65	30-150
Total Metals SPIKE for sample(s) 01-10 (L0615863-01, WG259539-2)		
Aluminum, Total	326	70-140
Antimony, Total	75	70-140
Arsenic, Total	65	70-140
Barium, Total	78	70-140
Beryllium, Total	87	70-140
Cadmium, Total	73	70-140
Calcium, Total	0	70-140
Chromium, Total	72	70-140
Cobalt, Total	79	70-140
Copper, Total	87	70-140
Iron, Total	0	70-140
Lead, Total	0	70-140
Magnesium, Total	0	70-140
Manganese, Total	43	70-140
Nickel, Total	61	70-140
Potassium, Total	217	70-140
Selenium, Total	81	70-140
Silver, Total	97	70-140
Sodium, Total	111	70-140
Thallium, Total	69	70-140
Vanadium, Total	69	70-140
Zinc, Total	0	70-140

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0615863

Continued

Parameter	% Recovery	QC Criteria
Total Metals SPIKE for sample(s) 01-10 (L0615863-05, WG259651-2)		
Mercury, Total	112	70-130

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH MS/MSD ANALYSIS

Laboratory Job Number: L0615863

Parameter	MS %	MSD %	RPD	RPD Limit	MS/MSD Limits
Volatile Organics by GC/MS 8260 for sample(s) 01-10 (L0615863-01, WG260054-2)					
Chlorobenzene	86	77	11	30	60-133
Benzene	90	84	7	30	66-142
Toluene	87	80	8	30	59-139
1,1-Dichloroethene	86	80	7	30	59-172
Trichloroethene	82	74	10	30	62-137
Surrogate(s)					
1,2-Dichloroethane-d4	92	92	0		70-130
Toluene-d8	99	99	0		70-130
4-Bromofluorobenzene	122	123	1		70-130
Dibromofluoromethane	95	95	0		70-130
Volatile Organics by GC/MS 8260 for sample(s) 11 (L0615954-04, WG260086-2)					
Chlorobenzene	97	105	8	20	75-130
Benzene	97	101	4	20	76-127
Toluene	98	105	7	20	76-125
1,1-Dichloroethene	93	98	5	20	61-145
Trichloroethene	94	95	1	20	71-120
Surrogate(s)					
1,2-Dichloroethane-d4	97	96	1		70-130
Toluene-d8	100	100	0		70-130
4-Bromofluorobenzene	101	101	0		70-130
Dibromofluoromethane	99	100	1		70-130
SVOC's by GC/MS 8270 for sample(s) 01-10 (L0615863-01, WG259543-4)					
Acenaphthene	70	140	67	50	31-137
1,2,4-Trichlorobenzene	49	89	58	50	38-107
2-Chloronaphthalene	59	99	51	50	40-140
1,2-Dichlorobenzene	49	81	49	50	40-140
1,4-Dichlorobenzene	50	83	50	50	28-104
2,4-Dinitrotoluene	59	88	39	50	28-89
2,6-Dinitrotoluene	70	100	35	50	40-140
Fluoranthene	0	460	200	50	40-140
4-Chlorophenyl phenyl ether	66	100	41	50	40-140
n-Nitrosodi-n-propylamine	54	83	42	50	41-126
Butyl benzyl phthalate	72	110	42	50	40-140
Anthracene	39	160	122	50	40-140
Pyrene	0	370	200	50	35-142
Hexachloropropene	21	46	75	50	40-140
P-Chloro-M-Cresol	65	97	40	50	26-103
2-Chlorophenol	49	84	53	50	25-102
2-Nitrophenol	40	71	56	50	30-130
4-Nitrophenol	59	90	42	50	11-114
2,4-Dinitrophenol	34	34	0	50	30-130
Pentachlorophenol	11	32	98	50	17-109
Phenol	47	77	48	50	26-90

ALPHA ANALYTICAL LABORATORIES
 QUALITY ASSURANCE BATCH MS/MSD ANALYSIS

Laboratory Job Number: L0615863

Continued

Parameter	MS %	MSD %	RPD	RPD Limit	MS/MSD Limits
SVOC's by GC/MS 8270 for sample(s) 01-10 (L0615863-01, WG259543-4)					
Surrogate(s)					
2-Fluorophenol	45	77	52		25-120
Phenol-d6	68	117	53		10-120
Nitrobenzene-d5	54	92	52		23-120
2-Fluorobiphenyl	56	90	47		30-120
2,4,6-Tribromophenol	51	91	56		19-120
4-Terphenyl-d14	65	97	40		18-120
PAH by GC/MS SIM 8270M for sample(s) 01-10 (L0615863-01, WG259544-4)					
Acenaphthene	58	140	83	50	40-140
2-Chloronaphthalene	62	100	47	50	40-140
Fluoranthene	0	390	200	50	40-140
Anthracene	53	210	119	50	40-140
Pyrene	0	340	200	50	40-140
Pentachlorophenol	28	54	63	50	40-140
Surrogate(s)					
2-Fluorophenol	0	0	NC		25-120
Phenol-d6	0	0	NC		10-120
Nitrobenzene-d5	0	0	NC		23-120
2-Fluorobiphenyl	0	0	NC		30-120
2,4,6-Tribromophenol	0	0	NC		19-120
4-Terphenyl-d14	0	0	NC		18-120
Polychlorinated Biphenyls for sample(s) 01-10 (L0615863-01, WG259491-4)					
Aroclor 1016	74	62	17	50	40-140
Aroclor 1260	60	49	21	50	40-140
Surrogate(s)					
2,4,5,6-Tetrachloro-m-xylene	60	49	20		30-150
Decachlorobiphenyl	49	44	11		30-150

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0615863

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Blank Analysis for sample(s) 01-10 (WG259539-3)							
Total Metals				1	3051		
Aluminum, Total	ND	mg/kg	4.0	1	6010B	1103 18:30	1108 14:57 AI
Antimony, Total	ND	mg/kg	2.0	1	6010B	1103 18:30	1108 14:57 AI
Arsenic, Total	ND	mg/kg	0.40	1	6010B	1103 18:30	1108 14:57 AI
Barium, Total	ND	mg/kg	0.40	1	6010B	1103 18:30	1108 14:57 AI
Beryllium, Total	ND	mg/kg	0.20	1	6010B	1103 18:30	1108 14:57 AI
Cadmium, Total	ND	mg/kg	0.40	1	6010B	1103 18:30	1108 14:57 AI
Calcium, Total	4.6	mg/kg	4.0	1	6010B	1103 18:30	1108 14:57 AI
Chromium, Total	ND	mg/kg	0.40	1	6010B	1103 18:30	1108 14:57 AI
Cobalt, Total	ND	mg/kg	0.80	1	6010B	1103 18:30	1108 14:57 AI
Copper, Total	ND	mg/kg	0.40	1	6010B	1103 18:30	1108 14:57 AI
Iron, Total	ND	mg/kg	2.0	1	6010B	1103 18:30	1108 14:57 AI
Lead, Total	ND	mg/kg	2.0	1	6010B	1103 18:30	1108 14:57 AI
Magnesium, Total	ND	mg/kg	4.0	1	6010B	1103 18:30	1108 14:57 AI
Manganese, Total	ND	mg/kg	0.40	1	6010B	1103 18:30	1108 14:57 AI
Nickel, Total	ND	mg/kg	1.0	1	6010B	1103 18:30	1108 14:57 AI
Potassium, Total	ND	mg/kg	100	1	6010B	1103 18:30	1108 14:57 AI
Selenium, Total	ND	mg/kg	0.80	1	6010B	1103 18:30	1108 14:57 AI
Silver, Total	ND	mg/kg	0.40	1	6010B	1103 18:30	1108 14:57 AI
Sodium, Total	ND	mg/kg	80	1	6010B	1103 18:30	1108 14:57 AI
Thallium, Total	ND	mg/kg	0.40	1	6010B	1103 18:30	1108 14:57 AI
Vanadium, Total	ND	mg/kg	0.40	1	6010B	1103 18:30	1108 14:57 AI
Zinc, Total	ND	mg/kg	2.0	1	6010B	1103 18:30	1108 14:57 AI
Blank Analysis for sample(s) 01-10 (WG259651-4)							
Total Metals							
Mercury, Total	ND	mg/kg	0.08	1	7471A	1106 16:25	1107 10:16 DM
Blank Analysis for sample(s) 01-10 (WG260054-4)							
Volatile Organics by GC/MS 8260				1	8260B		1107 15:23 RY
Methylene chloride	ND	ug/kg	25.				
1,1-Dichloroethane	ND	ug/kg	3.8				
Chloroform	ND	ug/kg	3.8				
Carbon tetrachloride	ND	ug/kg	2.5				
1,2-Dichloropropane	ND	ug/kg	8.8				
Dibromochloromethane	ND	ug/kg	2.5				
1,1,2-Trichloroethane	ND	ug/kg	3.8				
Tetrachloroethene	ND	ug/kg	2.5				
Chlorobenzene	ND	ug/kg	2.5				
Trichlorofluoromethane	ND	ug/kg	12.				
1,2-Dichloroethane	ND	ug/kg	2.5				
1,1,1-Trichloroethane	ND	ug/kg	2.5				
Bromodichloromethane	ND	ug/kg	2.5				
trans-1,3-Dichloropropene	ND	ug/kg	2.5				
cis-1,3-Dichloropropene	ND	ug/kg	2.5				

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0615863

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Blank Analysis for sample(s) 01-10 (WG260054-4)							
Volatile Organics by GC/MS 8260 cont'd				1	8260B	1107	15:23 RY
1,1-Dichloropropene	ND	ug/kg	12.				
Bromoform	ND	ug/kg	10.				
1,1,2,2-Tetrachloroethane	ND	ug/kg	2.5				
Benzene	ND	ug/kg	2.5				
Toluene	ND	ug/kg	3.8				
Ethylbenzene	ND	ug/kg	2.5				
Chloromethane	ND	ug/kg	12.				
Bromomethane	ND	ug/kg	5.0				
Vinyl chloride	ND	ug/kg	5.0				
Chloroethane	ND	ug/kg	5.0				
1,1-Dichloroethene	ND	ug/kg	2.5				
trans-1,2-Dichloroethene	ND	ug/kg	3.8				
Trichloroethene	ND	ug/kg	2.5				
1,2-Dichlorobenzene	ND	ug/kg	12.				
1,3-Dichlorobenzene	ND	ug/kg	12.				
1,4-Dichlorobenzene	ND	ug/kg	12.				
Methyl tert butyl ether	ND	ug/kg	5.0				
p/m-Xylene	ND	ug/kg	5.0				
o-Xylene	ND	ug/kg	5.0				
cis-1,2-Dichloroethene	ND	ug/kg	2.5				
Dibromomethane	ND	ug/kg	25.				
1,4-Dichlorobutane	ND	ug/kg	25.				
Iodomethane	ND	ug/kg	25.				
1,2,3-Trichloropropane	ND	ug/kg	25.				
Styrene	ND	ug/kg	5.0				
Dichlorodifluoromethane	ND	ug/kg	25.				
Acetone	ND	ug/kg	25.				
Carbon disulfide	ND	ug/kg	25.				
2-Butanone	ND	ug/kg	25.				
Vinyl acetate	ND	ug/kg	25.				
4-Methyl-2-pentanone	ND	ug/kg	25.				
2-Hexanone	ND	ug/kg	25.				
Ethyl methacrylate	ND	ug/kg	25.				
Acrolein	ND	ug/kg	62.				
Acrylonitrile	ND	ug/kg	10.				
Bromochloromethane	ND	ug/kg	12.				
Tetrahydrofuran	ND	ug/kg	50.				
2,2-Dichloropropane	ND	ug/kg	12.				
1,2-Dibromoethane	ND	ug/kg	10.				
1,3-Dichloropropane	ND	ug/kg	12.				
1,1,1,2-Tetrachloroethane	ND	ug/kg	2.5				
Bromobenzene	ND	ug/kg	12.				
n-Butylbenzene	ND	ug/kg	2.5				
sec-Butylbenzene	ND	ug/kg	2.5				
tert-Butylbenzene	ND	ug/kg	12.				
o-Chlorotoluene	ND	ug/kg	12.				

**ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS**

Laboratory Job Number: L0615863

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Blank Analysis for sample(s) 01-10 (WG260054-4)							
Volatile Organics by GC/MS 8260 cont'd				1	8260B	1107	15:23 RY
p-Chlorotoluene	ND	ug/kg	12.				
1,2-Dibromo-3-chloropropane	ND	ug/kg	12.				
Hexachlorobutadiene	ND	ug/kg	12.				
Isopropylbenzene	ND	ug/kg	2.5				
p-Isopropyltoluene	ND	ug/kg	2.5				
Naphthalene	ND	ug/kg	12.				
n-Propylbenzene	ND	ug/kg	2.5				
1,2,3-Trichlorobenzene	ND	ug/kg	12.				
1,2,4-Trichlorobenzene	ND	ug/kg	12.				
1,3,5-Trimethylbenzene	ND	ug/kg	12.				
1,2,4-Trimethylbenzene	ND	ug/kg	12.				
trans-1,4-Dichloro-2-butene	ND	ug/kg	12.				
Ethyl ether	ND	ug/kg	12.				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	105	%	70-130				
Toluene-d8	93.0	%	70-130				
4-Bromofluorobenzene	102	%	70-130				
Dibromofluoromethane	98.0	%	70-130				
Blank Analysis for sample(s) 01-10 (WG259543-1)							
SVOC's by GC/MS 8270				1	8270C	1103	20:35 1106 17:18 RL
Acenaphthene	ND	ug/kg	330				
Benzidine	ND	ug/kg	3300				
1,2,4-Trichlorobenzene	ND	ug/kg	330				
Hexachlorobenzene	ND	ug/kg	330				
Bis(2-chloroethyl)ether	ND	ug/kg	330				
1-Chloronaphthalene	ND	ug/kg	330				
2-Chloronaphthalene	ND	ug/kg	400				
1,2-Dichlorobenzene	ND	ug/kg	330				
1,3-Dichlorobenzene	ND	ug/kg	330				
1,4-Dichlorobenzene	ND	ug/kg	330				
3,3'-Dichlorobenzidine	ND	ug/kg	670				
2,4-Dinitrotoluene	ND	ug/kg	330				
2,6-Dinitrotoluene	ND	ug/kg	330				
Azobenzene	ND	ug/kg	330				
Fluoranthene	ND	ug/kg	330				
4-Chlorophenyl phenyl ether	ND	ug/kg	330				
4-Bromophenyl phenyl ether	ND	ug/kg	330				
Bis(2-chloroisopropyl)ether	ND	ug/kg	330				
Bis(2-chloroethoxy)methane	ND	ug/kg	330				
Hexachlorobutadiene	ND	ug/kg	670				
Hexachlorocyclopentadiene	ND	ug/kg	670				
Hexachloroethane	ND	ug/kg	330				
Isophorone	ND	ug/kg	330				
Naphthalene	ND	ug/kg	330				

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0615863

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Blank Analysis for sample(s) 01-10 (WG259543-1)							
SVOC's by GC/MS 8270 cont'd				1	8270C	1103 20:35	1106 17:18 RL
Nitrobenzene	ND	ug/kg	330				
NDPA/DPA	ND	ug/kg	1000				
n-Nitrosodi-n-propylamine	ND	ug/kg	330				
Bis(2-ethylhexyl)phthalate	ND	ug/kg	670				
Butyl benzyl phthalate	ND	ug/kg	330				
Di-n-butylphthalate	ND	ug/kg	330				
Di-n-octylphthalate	ND	ug/kg	330				
Diethyl phthalate	ND	ug/kg	330				
Dimethyl phthalate	ND	ug/kg	330				
Benzo(a)anthracene	ND	ug/kg	330				
Benzo(a)pyrene	ND	ug/kg	330				
Benzo(b)fluoranthene	ND	ug/kg	330				
Benzo(k)fluoranthene	ND	ug/kg	330				
Chrysene	ND	ug/kg	330				
Acenaphthylene	ND	ug/kg	330				
Anthracene	ND	ug/kg	330				
Benzo(ghi)perylene	ND	ug/kg	330				
Fluorene	ND	ug/kg	330				
Phenanthrene	ND	ug/kg	330				
Dibenzo(a,h)anthracene	ND	ug/kg	330				
Indeno(1,2,3-cd)pyrene	ND	ug/kg	330				
Pyrene	ND	ug/kg	330				
Benzo(e)pyrene	ND	ug/kg	330				
Biphenyl	ND	ug/kg	330				
Perylene	ND	ug/kg	330				
Aniline	ND	ug/kg	670				
4-Chloroaniline	ND	ug/kg	330				
1-Methylnaphthalene	ND	ug/kg	330				
2-Nitroaniline	ND	ug/kg	330				
3-Nitroaniline	ND	ug/kg	330				
4-Nitroaniline	ND	ug/kg	470				
Dibenzofuran	ND	ug/kg	330				
a,a-Dimethylphenethylamine	ND	ug/kg	3300				
Hexachloropropene	ND	ug/kg	670				
Nitrosodi-n-butylamine	ND	ug/kg	670				
2-Methylnaphthalene	ND	ug/kg	330				
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	1300				
Pentachlorobenzene	ND	ug/kg	1300				
a-Naphthylamine	ND	ug/kg	1300				
b-Naphthylamine	ND	ug/kg	1300				
Phenacetin	ND	ug/kg	670				
Dimethoate	ND	ug/kg	1300				
4-Aminobiphenyl	ND	ug/kg	670				
Pentachloronitrobenzene	ND	ug/kg	670				
Isodrin	ND	ug/kg	670				
p-Dimethylaminoazobenzene	ND	ug/kg	670				

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0615863

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Blank Analysis for sample(s) 01-10 (WG259543-1)							
SVOC's by GC/MS 8270 cont'd				1	8270C	1103 20:35	1106 17:18 RL
Chlorobenzilate	ND	ug/kg	1300				
3-Methylcholanthrene	ND	ug/kg	1300				
Ethyl Methanesulfonate	ND	ug/kg	1000				
Acetophenone	ND	ug/kg	1300				
Nitrosodipiperidine	ND	ug/kg	1300				
7,12-Dimethylbenz(a)anthracene	ND	ug/kg	670				
n-Nitrosodimethylamine	ND	ug/kg	3300				
2,4,6-Trichlorophenol	ND	ug/kg	330				
p-Chloro-m-cresol	ND	ug/kg	330				
2-Chlorophenol	ND	ug/kg	400				
2,4-Dichlorophenol	ND	ug/kg	670				
2,4-Dimethylphenol	ND	ug/kg	330				
2-Nitrophenol	ND	ug/kg	1300				
4-Nitrophenol	ND	ug/kg	670				
2,4-Dinitrophenol	ND	ug/kg	1300				
4,6-Dinitro-o-cresol	ND	ug/kg	1300				
Pentachlorophenol	ND	ug/kg	1300				
Phenol	ND	ug/kg	470				
2-Methylphenol	ND	ug/kg	400				
3-Methylphenol/4-Methylphenol	ND	ug/kg	400				
2,4,5-Trichlorophenol	ND	ug/kg	330				
2,6-Dichlorophenol	ND	ug/kg	670				
Benzoic Acid	ND	ug/kg	3300				
Benzyl Alcohol	ND	ug/kg	670				
Carbazole	ND	ug/kg	330				
Pyridine	ND	ug/kg	3300				
2-Picoline	ND	ug/kg	1300				
Pronamide	ND	ug/kg	1300				
Methyl methanesulfonate	ND	ug/kg	1300				
Surrogate(s)	Recovery			QC Criteria			
2-Fluorophenol	66.0	%		25-120			
Phenol-d6	90.0	%		10-120			
Nitrobenzene-d5	75.0	%		23-120			
2-Fluorobiphenyl	65.0	%		30-120			
2,4,6-Tribromophenol	56.0	%		19-120			
4-Terphenyl-d14	98.0	%		18-120			
Blank Analysis for sample(s) 01-10 (WG259544-1)							
PAH by GC/MS SIM 8270M				1	8270C-M	1103 20:35	1106 11:52 RL
Acenaphthene	ND	ug/kg	13.				
2-Chloronaphthalene	ND	ug/kg	13.				
Fluoranthene	ND	ug/kg	13.				
Hexachlorobutadiene	ND	ug/kg	33.				
Naphthalene	ND	ug/kg	13.				
Benzo(a)anthracene	ND	ug/kg	13.				

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0615863

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Blank Analysis for sample(s) 01-10 (WG259544-1)							
PAH by GC/MS SIM 8270M cont'd				1	8270C-M	1103 20:35	1106 11:52 RL
Benzo(a)pyrene	ND	ug/kg	13.				
Benzo(b)fluoranthene	ND	ug/kg	13.				
Benzo(k)fluoranthene	ND	ug/kg	13.				
Chrysene	ND	ug/kg	13.				
Acenaphthylene	ND	ug/kg	13.				
Anthracene	ND	ug/kg	13.				
Benzo(ghi)perylene	ND	ug/kg	13.				
Fluorene	ND	ug/kg	13.				
Phenanthrene	ND	ug/kg	13.				
Dibenzo(a,h)anthracene	ND	ug/kg	13.				
Indeno(1,2,3-cd)Pyrene	ND	ug/kg	13.				
Pyrene	ND	ug/kg	13.				
1-Methylnaphthalene	ND	ug/kg	13.				
2-Methylnaphthalene	ND	ug/kg	13.				
Pentachlorophenol	ND	ug/kg	53.				
Hexachlorobenzene	ND	ug/kg	53.				
Perylene	ND	ug/kg	13.				
Biphenyl	ND	ug/kg	13.				
2,6-Dimethylnaphthalene	ND	ug/kg	13.				
1-Methylphenanthrene	ND	ug/kg	13.				
Benzo(e)Pyrene	ND	ug/kg	13.				
Hexachloroethane	ND	ug/kg	53.				
Surrogate(s)	Recovery						QC Criteria
2-Fluorophenol	65.0	%					25-120
Phenol-d6	88.0	%					10-120
Nitrobenzene-d5	66.0	%					23-120
2-Fluorobiphenyl	56.0	%					30-120
2,4,6-Tribromophenol	63.0	%					19-120
4-Terphenyl-d14	93.0	%					18-120
Blank Analysis for sample(s) 01-10 (WG259491-1)							
Polychlorinated Biphenyls				1	8082	1103 16:00	1107 19:21 AK
Aroclor 1016	ND	ug/kg	33.3				
Aroclor 1221	ND	ug/kg	33.3				
Aroclor 1232	ND	ug/kg	33.3				
Aroclor 1242	ND	ug/kg	33.3				
Aroclor 1248	ND	ug/kg	33.3				
Aroclor 1254	ND	ug/kg	33.3				
Aroclor 1260	ND	ug/kg	33.3				
Surrogate(s)	Recovery						QC Criteria
2,4,5,6-Tetrachloro-m-xylene	46.0	%					30-150
Decachlorobiphenyl	53.0	%					30-150

ALPHA ANALYTICAL LABORATORIES
 QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0615863

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Blank Analysis for sample(s) 01-10 (WG259542-1)							
Organochlorine Pesticides				1 8081	1103 21:40	1107 22:43	JB
Delta-BHC	ND	ug/kg	3.33				
Lindane	ND	ug/kg	3.33				
Alpha-BHC	ND	ug/kg	3.33				
Beta-BHC	ND	ug/kg	3.33				
Heptachlor	ND	ug/kg	3.33				
Aldrin	ND	ug/kg	3.33				
Heptachlor epoxide	ND	ug/kg	3.33				
Endrin	ND	ug/kg	3.33				
Endrin aldehyde	ND	ug/kg	3.33				
Endrin ketone	ND	ug/kg	3.33				
Dieldrin	ND	ug/kg	3.33				
4,4'-DDE	ND	ug/kg	3.33				
4,4'-DDD	ND	ug/kg	3.33				
4,4'-DDT	ND	ug/kg	3.33				
Endosulfan I	ND	ug/kg	3.33				
Endosulfan II	ND	ug/kg	3.33				
Endosulfan sulfate	ND	ug/kg	3.33				
Methoxychlor	ND	ug/kg	13.3				
Toxaphene	ND	ug/kg	13.3				
Chlordane	ND	ug/kg	13.3				
cis-Chlordane	ND	ug/kg	3.33				
trans-Chlordane	ND	ug/kg	3.33				
Surrogate(s)	Recovery			QC Criteria			
2,4,5,6-Tetrachloro-m-xylene	66.0	%		30-150			
Decachlorobiphenyl	71.0	%		30-150			

ALPHA ANALYTICAL LABORATORIES
ADDENDUM I

REFERENCES

1. Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.
30. Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

GLOSSARY OF TERMS AND SYMBOLS

REF Reference number in which test method may be found.
METHOD Method number by which analysis was performed.
ID Initials of the analyst.
ND Not detected in comparison to the reported detection limit.
NI Not Ignitable.
ug/cart Micrograms per Cartridge.

LIMITATION OF LIABILITIES

Alpha Analytical, Inc. performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical, Inc., shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical, Inc. be held liable for any incidental consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical, Inc.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding times and splitting of samples in the field.

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CHAIN OF CUSTODY

PAGE 1 OF 1

Client Information

Client: **AKRF Inc**
Address: **440 Park Ave South**
New York NY 10016
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Fax: **212-726-0942**
Email: **axel.schwendt@akrf.com**

Project Information

Project Name: **Storage Deluxe**
Project Location: **200 E 135th St Bronx**
Project #: **80095-0003**
Project Manager: **Axel Schwendt**
ALPHA Quote #:
Turn-Around Time

Date Rec'd in Lab: 11/12

ALPHA Job #: 10615863

Report Information - Data Deliverables

FAX EMAIL
 XADeX Add'l Deliverables
Regulatory Requirements/Report Limits

Billing Information

PO #:

Standard RUSH (only confirmed pre-approval)
Date Due: 11/9 Time:
Other Project Specific Requirements/Comments/Detection Limits:

*** Analyze Trip Blank for VOCs (8260) only**
NYS TAGM Detection Limits

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Time	Sample Matrix	Sampler's Initials	UVCs (8260)	SUVs (8270)	PCRs/Rests (6001/6002)	TAL Metals (6000/6000)	SAMPLE HANDLING	Sample Specific Comments
15863-01/AK-SB-1	(1'-2')	11/1/06	08:40	S	SC	X	X	X	X		
-02	AK-SB-1 (6'-7')	11/1/06	08:55	S	SC	X	X	X	X		
-03	AK-SB-2 (1'-2')	11/1/06	09:35	S	SC	X	X	X	X		
-04	AK-SB-2 (4'-10')	11/1/06	09:45	S	SC	X	X	X	X		
-05	AK-SB-3 (2'-3')	11/1/06	10:05	S	SC	X	X	X	X		
-06	AK-SB-3 (4'-10')	11/1/06	10:25	S	SC	X	X	X	X		
-07	AK-SB-4 (2'-3')	11/1/06	11:03	S	SC	X	X	X	X		
-08	AK-SB-4 (4'-10')	11/1/06	11:20	S	SC	X	X	X	X		
-09	AK-SB-5 (1'-2')	11/1/06	11:45	S	SC	X	X	X	X		
-10	AK-SB-5 (8'-9')	11/1/06	12:10	S	SC	X	X	X	X		

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT
MA MCP or CT RCP?

Relinquished By: [Signature] Date/Time: 11/2/06 12:45
Received By: [Signature] Date/Time: 11/2/06 17:30

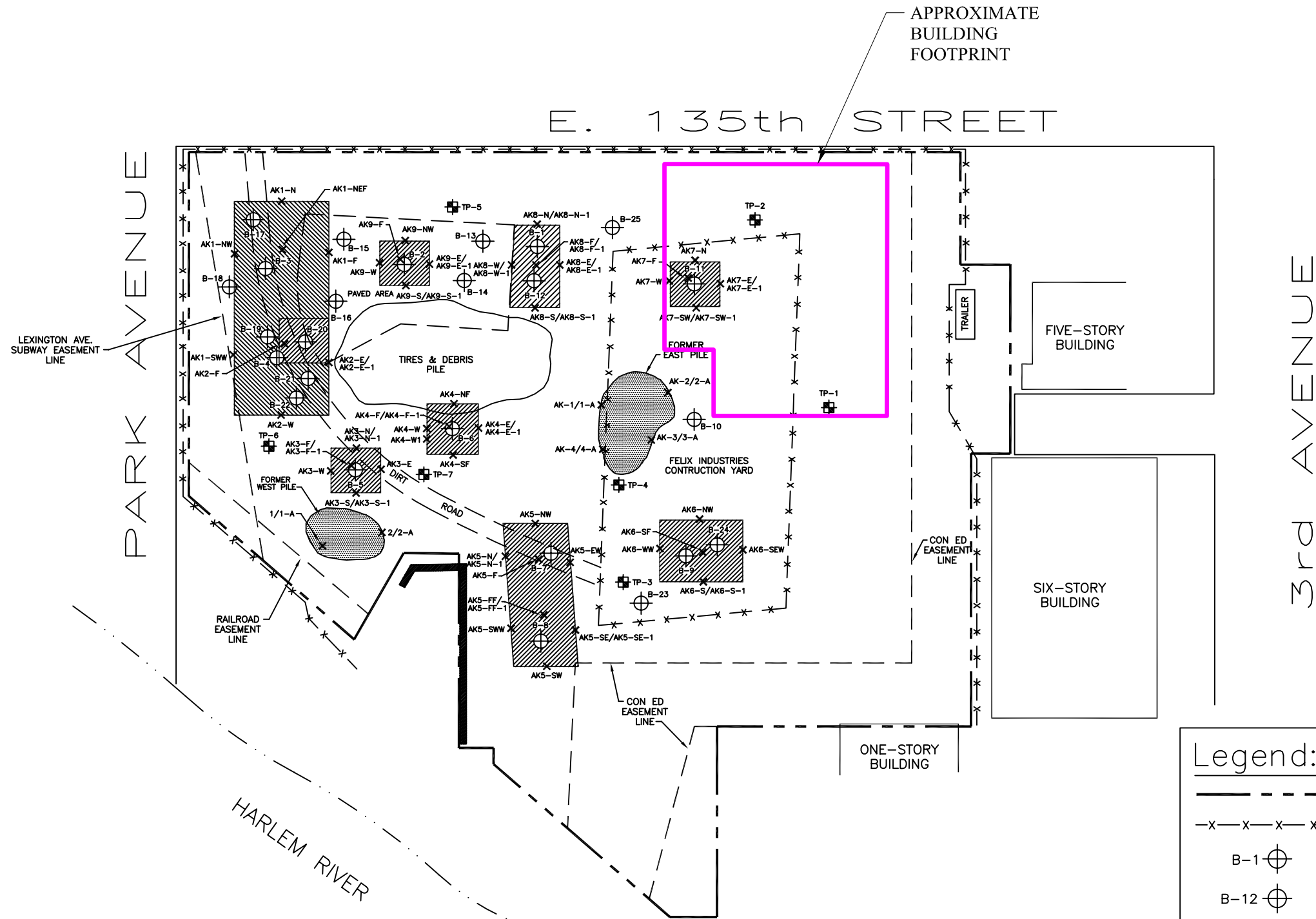
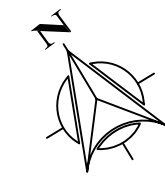
ORM NO. 01-01 (rev 10-OCT-05)

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms. See reverse side.

APPENDIX C

POST-EXCAVATION FIGURE FROM 1999 REMEDIAL ACTIVITIES REPORT

© 1999 AKRF, Inc. Environmental Consultants M:\AKRF Project Files\80095 - 200 East 135th St (Storage Deluxe)\Figures\former 50154 figures



Legend:

- PROPERTY BOUNDARY
- CHAIN LINK FENCE
- INITIAL SOIL BORING LOCATION (12/97)
- SUPPLEMENTAL SOIL BORING LOCATION (2/97)
- APPROXIMATE LOCATION OF SOIL SAMPLE
- APPROXIMATE LOCATION OF SOIL SAMPLE
- APPROXIMATE LOCATION OF TEST PIT
- AREA OF SOIL EXCAVATION
- APPROXIMATE LOCATION OF SCREENED STOCKPILED SOIL

AKRF, Inc.
 Environmental Consultants
 149 Water Street Norwalk, CT 06854

EAST 135th STREET
 BRONX, NEW YORK
 POST SOIL EXCAVATION

DATE
 5/24/99

SCALE
 1"=100'

PROJECT No.
 50154

FIGURE No.
2

Appendix B: Photographs





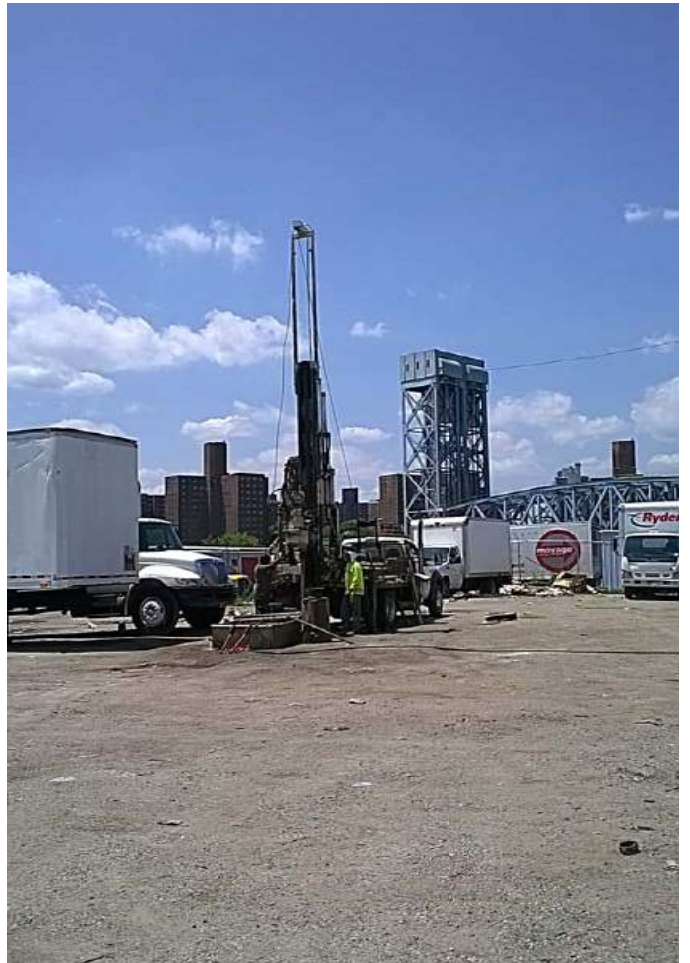
















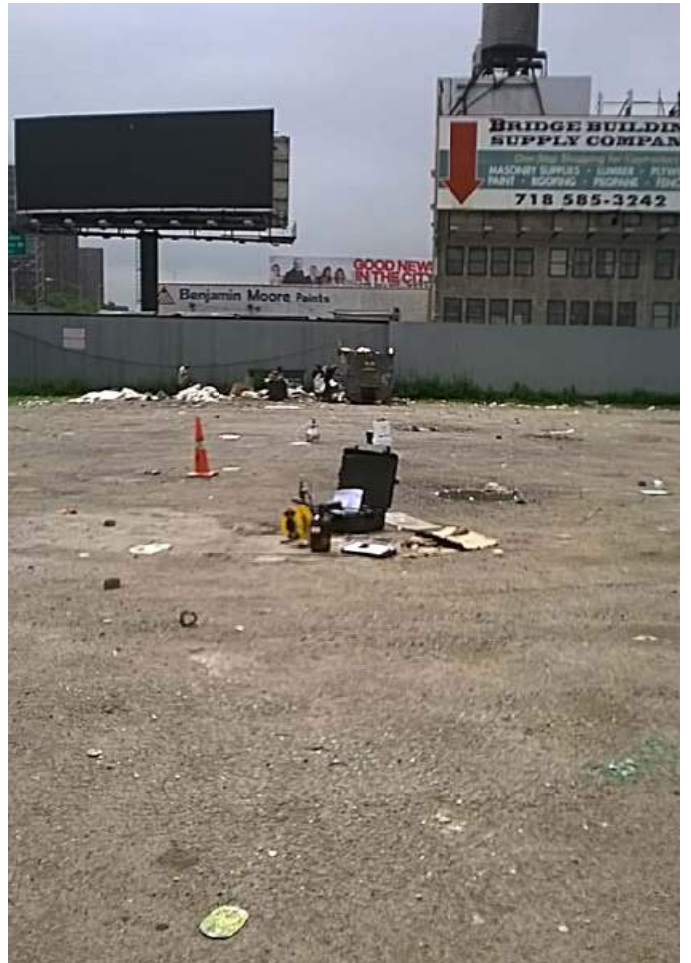




























Appendix C: Soil Boring Geologic Logs



Hydro Tech Environmental, Corp.

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15 Ocean Avenue 2nd Floor
Brooklyn, New York 11225
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www.hydrotechenvironmental.com

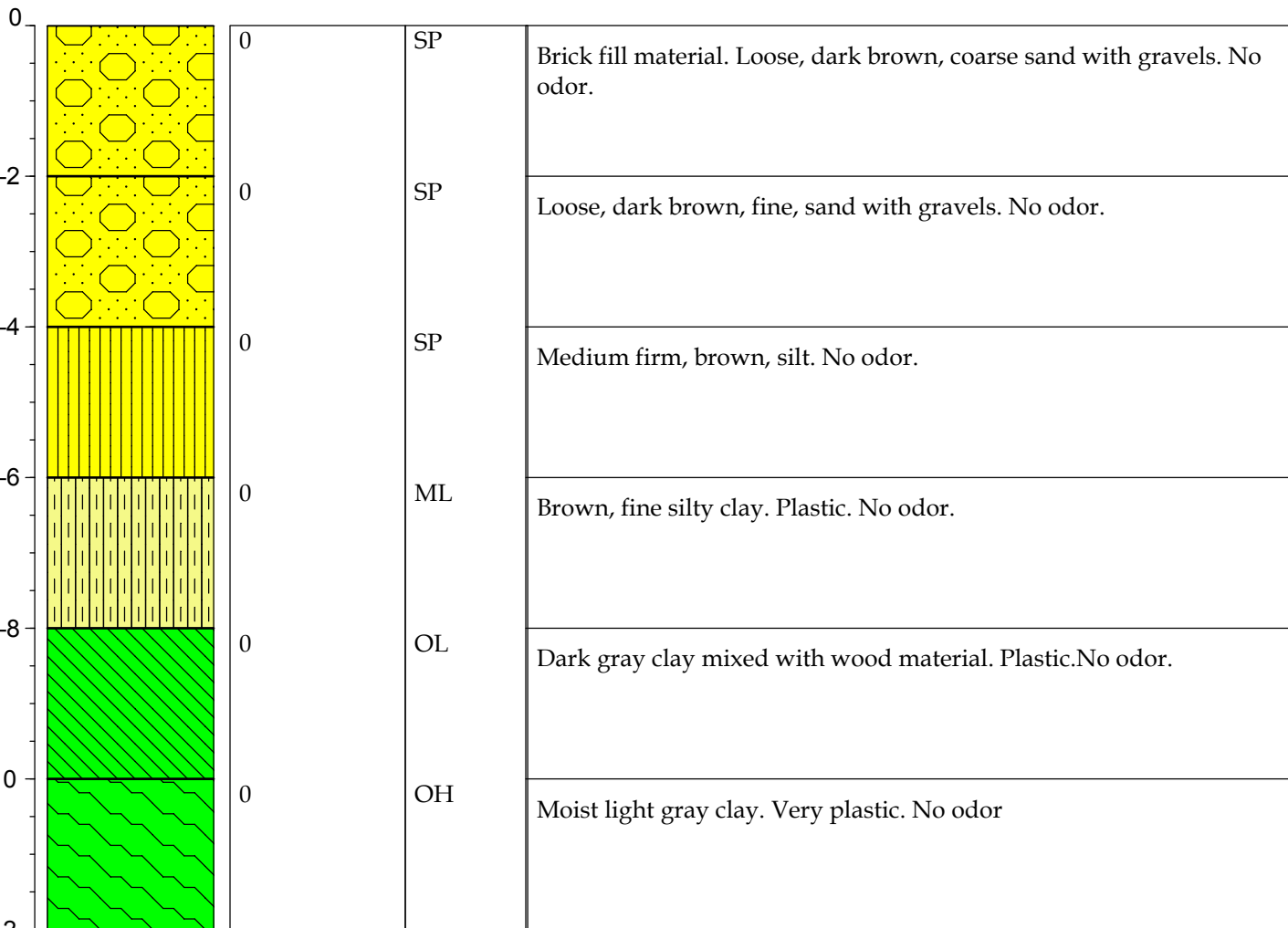
Soil Probe Log

Job No:	150133	Date:	06/10/15	Page:	1 of 1
Location:	200 East 135th Street Bronx, NY	Sampling Interval:	2 Feet	Sampling Method:	Grab
Boring No.:	SP-1	Depth to Water:	N/A	Driller:	DK Drilling of NY
Drilling Method:	Direct Push				
Total Depth:	12 Feet				

USCS SYMBOLS

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

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
---------------------------------	-------------------	------	------------------





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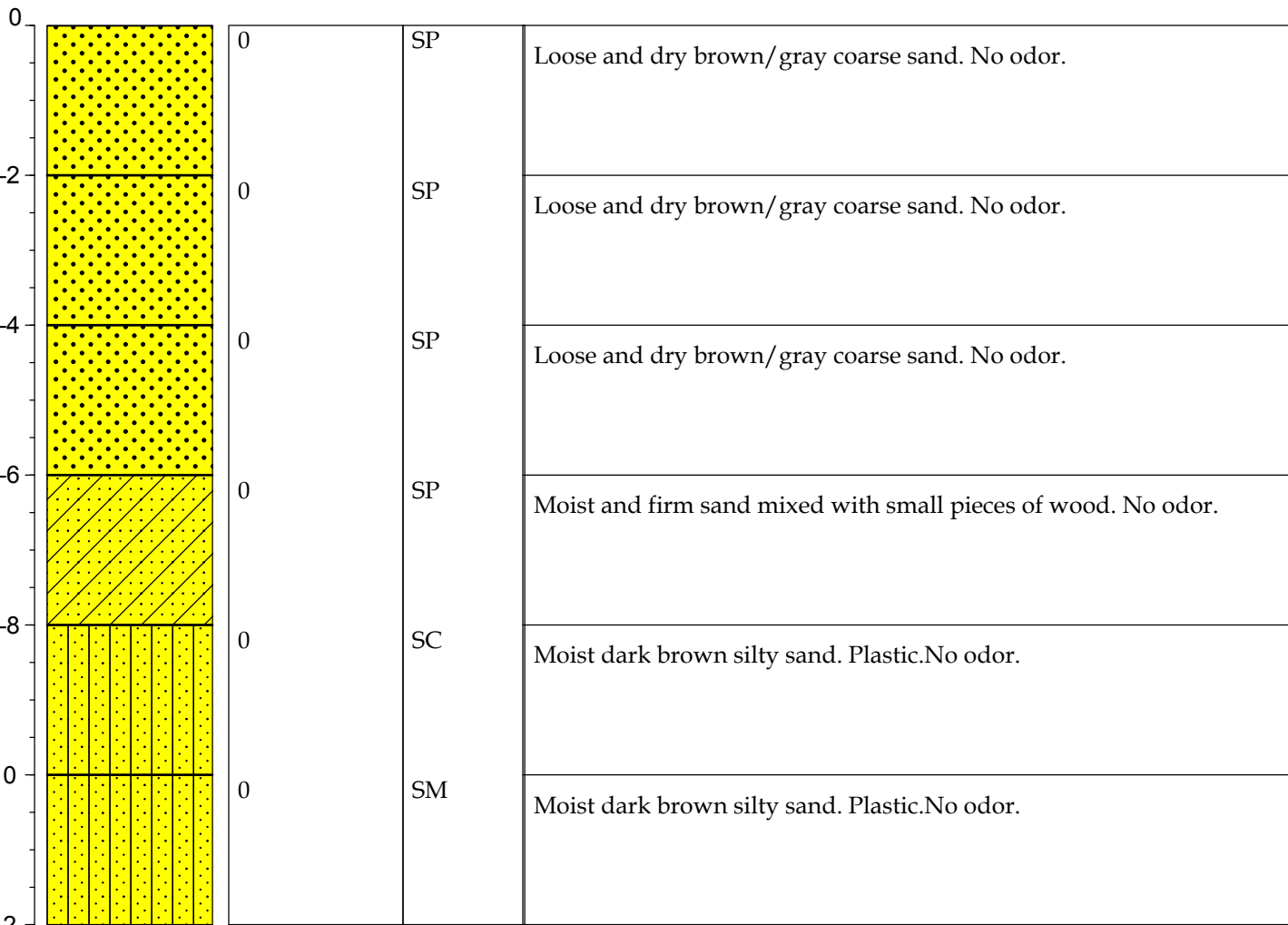
Soil Probe Log

Job No:	150133	Date:	06/10/15	Page:	1 of 1
Location:	200 East 135th Street Bronx, NY	Sampling Interval:	2 Feet	Sampling Method:	Grab
Boring No.:	SP-2	Depth to Water:	N/A	Driller:	DK Drilling of NY
Drilling Method:	Direct Push				
Total Depth:	12 Feet				

USCS SYMBOLS

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

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
---------------------------------	-------------------	------	------------------





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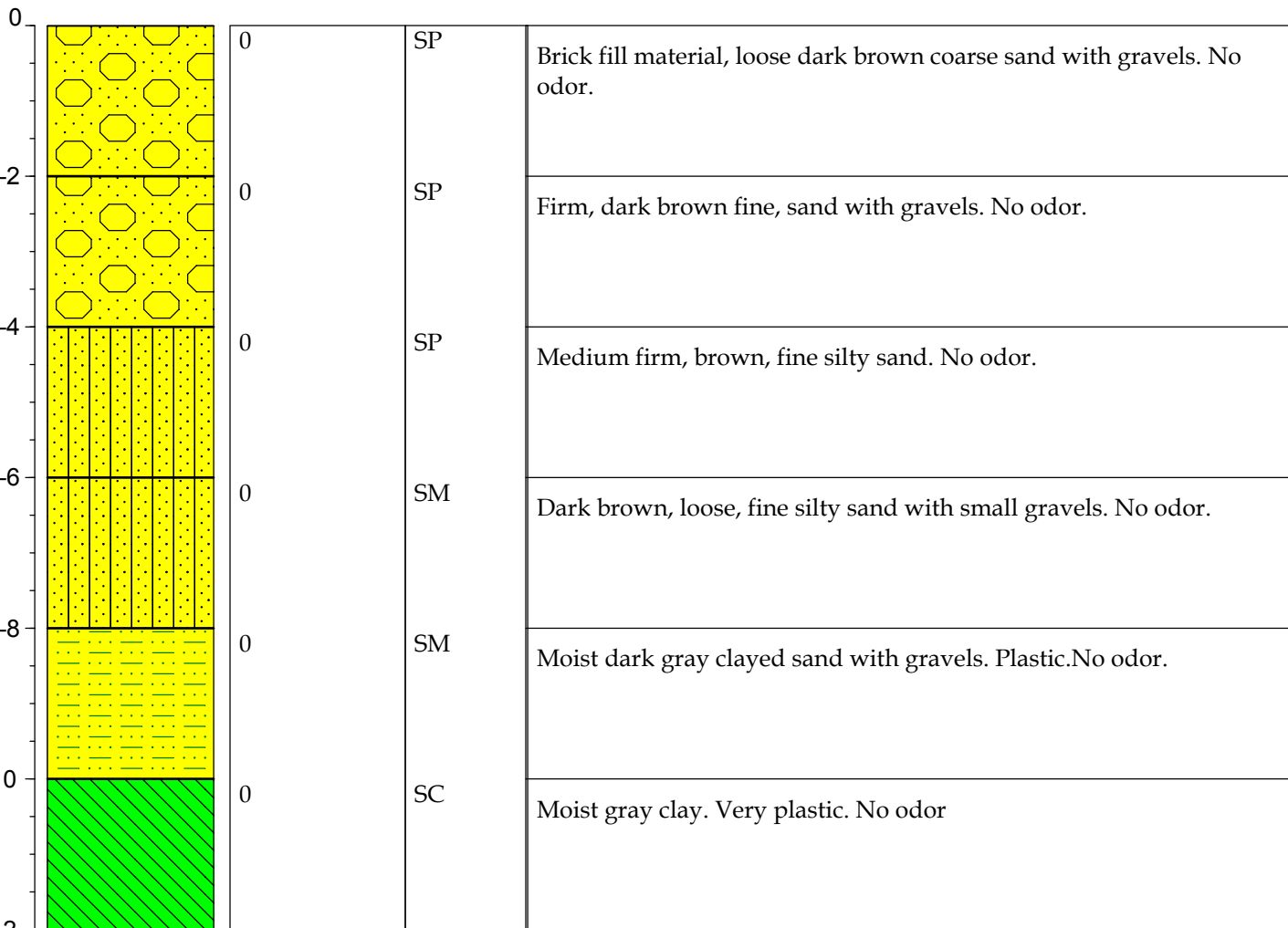
Soil Probe Log

Job No:	150133	Date:	06/10/15	Page:	1 of 1
Location:	200 East 135th Street Bronx, NY	Sampling Interval:	2 Feet	Sampling Method:	Grab
Boring No.:	SP-3	Depth to Water:	N/A	Driller:	DK Drilling of NY
Drilling Method:	Direct Push				
Total Depth:	12 Feet				

USCS SYMBOLS

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

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
---------------------------------	-------------------	------	------------------





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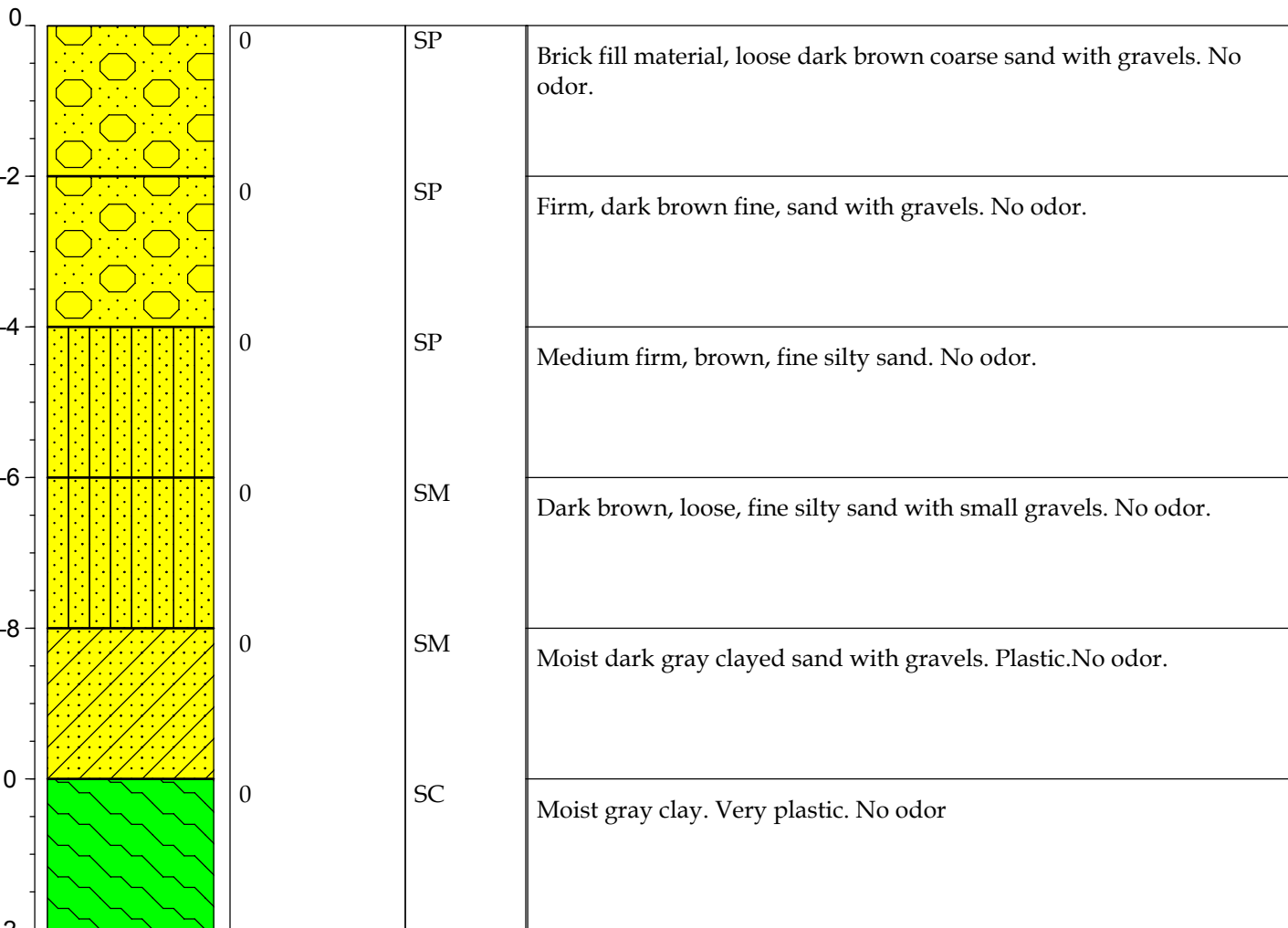
Soil Probe Log

Job No:	150133	Date:	06/10/15	Page:	1 of 1
Location:	200 East 135th Street Bronx, NY	Sampling Interval:	2 Feet	Sampling Method:	Grab
Boring No.:	SP-3	Depth to Water:	N/A	Driller:	DK Drilling of NY
Drilling Method:	Direct Push				
Total Depth:	12 Feet				

USCS SYMBOLS

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

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
---------------------------------	-------------------	------	------------------





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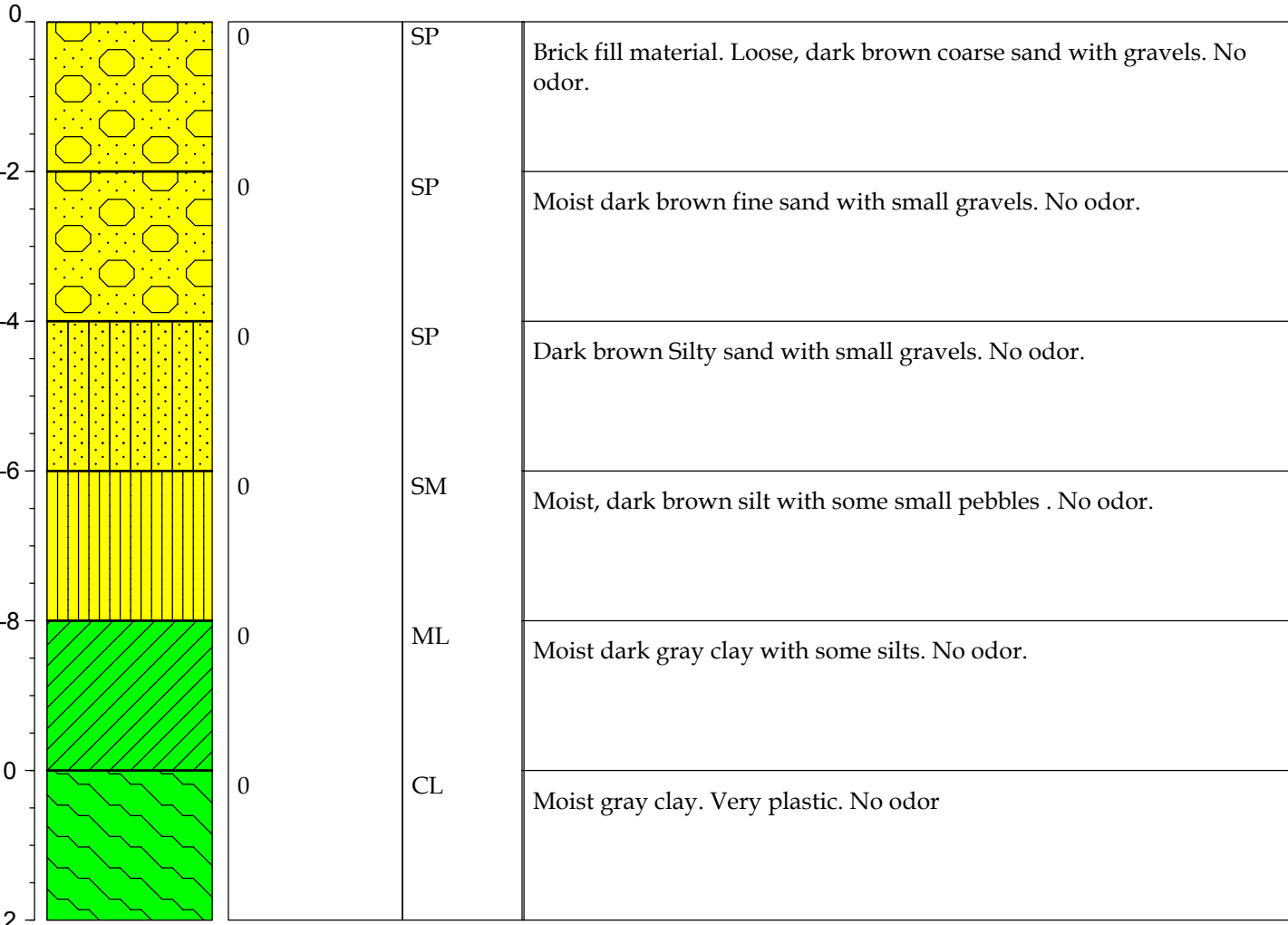
Soil Probe Log

Job No:	150133	Date:	06/10/15	Page:	1 of 1
Location:	200 East 135th Street Bronx, NY	Sampling Interval:	2 Feet	Sampling Method:	Grab
Boring No.:	SP-3	Depth to Water:	N/A	Driller:	DK Drilling of NY
Drilling Method:	Direct Push				
Total Depth:	12 Feet				

USCS SYMBOLS

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

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
---------------------------------	-------------------	------	------------------





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 T (718) 636-0800 · F (718) 636-0900

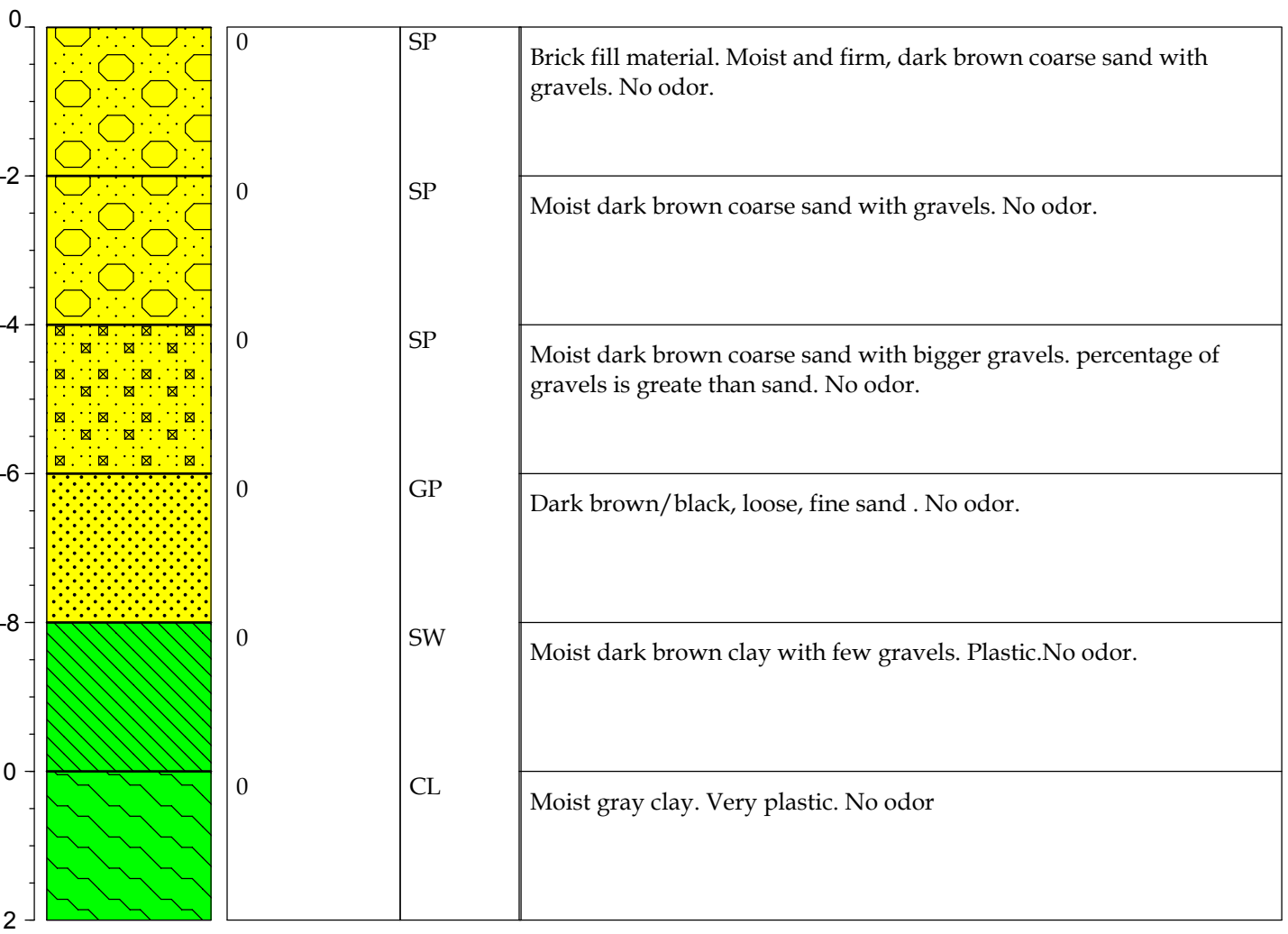
Soil Probe Log

Job No:	150133	Date:	06/10/15	Page:	1 of 1
Location:	200 East 135th Street Bronx, NY	Sampling Interval:	2 Feet	Sampling Method:	Grab
Boring No.:	SP-3	Depth to Water:	N/A	Driller:	DK Drilling of NY
Drilling Method:	Direct Push	Total Depth:	12 Feet		

USCS SYMBOLS

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

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
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Appendix D: Monitoring Well Construction Logs



HYDRO TECH ENVIRONMENTAL CORP.

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

NYC OFFICE:
 15 OCEAN AVENUE, SECOND FLOOR
 BROOKLYN, NEW YORK 11225

WELL CONSTRUCTION LOG

Job No: 150133 Date: 06-11-2015 Page: 1 OF 1

Location: 200 EAST 135th STREET, BRONX NY

Well Number: MW-1 Screen Size: 0.010"

Drilling Method: DIRECT PUSH TECHNOLOGY Screen Interval: 15.00'

Total Depth: 25' Diameter: 1"

Depth to Water: 8.85' Riser Length: 10.00'

Manhole Size: 5" Sand Size: #2

Depth Below Grade (ft.)	Sample Interval (ft.)	Well Construction	Description
2		<p style="font-size: small; margin: 0;"> The diagram shows a cross-section of the well. At the top is a 5" manhole cover. Below it is a 1" PVC riser extending from 0' to 5.00'. From 5.00' to 25.00', there is a 1" PVC screen. The well is filled with #2 sand. A Bentonite seal is located between 4.00' and 5.00'. The surrounding ground is native soil. </p>	5" Manhole Cover.
4			0'-5.00' - 1" PVC Riser.
6			0'-4.00' - Native Soil.
8			4.00'-5.00' - Bentonite Seal.
10			5.00'-25.00' - #2 Sand.
12			5.00'-25.00' - 1" PVC Screen.
14			
16			
18			
20			
22			
24			
26			
28			
30			
32			
34			
36			



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NYC OFFICE:
 15 OCEAN AVENUE, SECOND FLOOR
 BROOKLYN, NEW YORK 11225

WELL CONSTRUCTION LOG

Job No: 150133 Date: 06-11-2015 Page: 1 OF 1

Location: 200 EAST 135th STREET, BRONX NY

Well Number: MW-2 Screen Size: 0.010"

Drilling Method: DIRECT PUSH TECHNOLOGY Screen Interval: 15.00'

Total Depth: 25' Diameter: 1"

Depth to Water: 12.02' Riser Length: 10.00'

Manhole Size: 5" Sand Size: #2

Depth Below Grade (ft.)	Sample Interval (ft.)	Well Construction	Description
2		<p style="font-size: small; margin: 0;"> The diagram shows a vertical cross-section of the well. At the top is a 5-inch manhole cover. Below it is a 1-inch PVC riser extending to 5 feet depth. From 5 to 4 feet depth is native soil. From 4 to 5 feet depth is a bentonite seal. From 5 to 25 feet depth is #2 morie sand. A 1-inch PVC screen is located at the bottom of the well, from 5 to 25 feet depth. </p>	<p>5" Manhole Cover.</p> <p>0'-5.00' - 1" PVC Riser.</p> <p>0'-4.00' - Native Soil.</p> <p>4.00'-5.00' - Bentonite Seal.</p> <p>5.00'-25.00' - #2 Sand.</p> <p>5.00'-25.00' - 1" PVC Screen.</p>
4			
6			
8			
10			
12			
14			
16			
18			
20			
22			
24			
26			
28			
30			
32			
34			
36			



HYDRO TECH ENVIRONMENTAL CORP.

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NYC OFFICE:
15 OCEAN AVENUE, SECOND FLOOR
BROOKLYN, NEW YORK 11225

WELL CONSTRUCTION LOG

Job No: 150133 Date: 06-11-2015 Page: 1 OF 1

Location: 200 EAST 135th STREET, BRONX NY

Well Number: MW-3 Screen Size: 0.010"

Drilling Method: DIRECT PUSH TECHNOLOGY Screen Interval: 15.00'

Total Depth: 25' Diameter: 1"

Depth to Water: 9.75' Riser Length: 10.00'

Manhole Size: 5" Sand Size: #2

Depth Below Grade (ft.)	Sample Interval (ft.)	Well Construction	Description
2			5" Manhole Cover.
4			0'-5.00' - 1" PVC Riser.
6			0'-4.00' - Native Soil.
8			4.00'-5.00' - Bentonite Seal.
10			5.00'-25.00' - #2 Sand.
12			5.00'-25.00' - 1" PVC Screen.
14			
16			
18			
20			
22			
24			
26			
28			
30			
32			
34			
36			

Appendix E: Well Purging and Sampling Logs

Appendix F: Soil Vapor Sampling Logs

Job # 150133
 Address: 200 East 135th Street, Bronx, NY.

AMBIENT AIR/SOIL VAPOR SAMPLING LOG SHEET

Weather Conditions during past 24-48 hrs: Cloudy 63° f.
 Building Ventilation Conditions: Outside
 Source(s) of VOCs in Area: N/A

Sample ID	Sampling Date	Air Matrix	Sample Coordinates			Sampler Name	Indoor PID Reading (ppm)	Indoor air temp (°F)	Summa Canister ID	Canister Volume (L)	Purge Volume(s) (L)	Helium Detector (µg/L)		Time start (24 hr)	Time Stop (24 hr)	Canister Vacuum (°Hg)		Total Volume Extracte (L)	Weather (Wind, Dry, Moist, Saturated, temp) of Sampling Zone
			Date	Time	Depth							Start	Stop			Before	After		
SV1	6-16-15	SV	6-16-15	11:40	6 ft	Adriana	-	-	16953	6L	6L			10:00am	2:00pm	30	7.5	6L	moist
SV2	6-16-15	SV	6-16-15	11:40	6 ft	Adriana	-	-	451	6L	6L			10:10am	2:10pm	30	2.0	6L	moist.
SV3	6-16-15	SV	6-16-15	11:40	6 ft	Adriana	-	-	475	6L	6L			10:12am	2:12pm	30	4.0	6L	moist.
SV4	6-16-15	SV	6-16-15	11:40	4 ft	Adriana	-	-	463	6L	6L			10:14am	2:14pm	30	13.5	6L	moist
SV5	6-16-15	SV	6-16-15	11:40	4 ft	Adriana	-	-	508	6L	6L			10:19am	2:19pm	30	29	6L	moist
OA1	6-16-15	AO	6-16-15	9:00am	2 ft above ground	Adriana	-	-	16975	6L	6L			10:21am	2:21pm	24	2.7	6L	moist.

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

Notes:

Job# 150 133

AMBIENT AIR/SOIL VAPOR SAMPLING LOG SHEET

Weather Conditions during past 24-48 hrs: Sunny
 Building Ventilation Conditions: outside.
 Source(s) of VOCs in Area: N/A

Sample Coordinates						Sampler Name	Indoor PID Reading (ppm)	Indoor air temp (*F)	Summa Canister ID	Canister Volume (L)	Purge Volume(s) (L)	Helium Detector (µg/L)		Time start (24 hr)	Time Stop (24 hr)	Canister Vacuum (Fig)		Total Volume Extracte (L)	Weather (Wind, Dry, Moist, Saturated, temp) of Sampling Zone
Sample ID	Sampling Date	Air Matrix	Sub-Surface Installation									Start	Stop			Before	After		
			Date	Time	Depth														
OA1	7-01-15	AO	7-1-15	9:24		Adriana.	-	-	Y62	6L	6L			9:25	1:25	-30	7	6L	Sunny
SV5	7-01-15	SV	7-1-15	9:30		Adriana.	-	-	Y77	6L	6L			9:30	9:30	-30	12	6L.	Sunny

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

Notes:

Appendix G: Laboratory Data Deliverables for Soil Analytical Data



Technical Report

prepared for:

Hydro Tech Environmental (Brooklyn)

15 Ocean Avenue

Brooklyn NY, 11225

Attention: Morgan Violette

Report Date: 06/18/2015

Client Project ID: #150133 200 East 135th Street Bronx, NY

York Project (SDG) No.: 15F0487

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 06/18/2015
Client Project ID: #150133 200 East 135th Street Bronx, NY
York Project (SDG) No.: 15F0487

Hydro Tech Environmental (Brooklyn)

15 Ocean Avenue
Brooklyn NY, 11225
Attention: Morgan Violette

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 June 12, 2015 and listed below. The project was identified as your project: **#150133 200 East 135th Street Bronx, NY**.

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

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

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

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

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

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
15F0487-01	SP-1 (0-2')	Soil	06/11/2015	06/12/2015
15F0487-02	SP-1 (10-12')	Soil	06/11/2015	06/12/2015
15F0487-03	SP-3 (0-2')	Soil	06/11/2015	06/12/2015
15F0487-04	SP-3 (10-12')	Soil	06/11/2015	06/12/2015
15F0487-05	SP-4 (0-2')	Soil	06/11/2015	06/12/2015
15F0487-06	SP-4 (10-12')	Soil	06/11/2015	06/12/2015
15F0487-07	Field Blank	Water	06/11/2015	06/12/2015

General Notes for York Project (SDG) No.: 15F0487

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

Approved By:



Benjamin Gulizia
Laboratory Director

Date: 06/18/2015





Sample Information

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

York Sample ID: 15F0487-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0487

#150133 200 East 135th Street Bronx, NY

Soil

June 11, 2015 9:20 am

06/12/2015

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	3.7	7.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 12:45	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	3.7	7.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 12:45	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	3.7	7.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 12:45	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	3.7	7.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 12:45	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	3.7	7.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 12:45	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	3.7	7.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 12:45	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	3.7	7.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 12:45	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	3.7	7.3	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 12:45	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	3.7	7.3	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 12:45	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	3.7	7.3	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 12:45	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	3.7	7.3	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 12:45	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	3.7	7.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 12:45	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.7	7.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 12:45	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	3.7	7.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 12:45	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	3.7	7.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 12:45	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	3.7	7.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 12:45	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	3.7	7.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 12:45	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	3.7	7.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 12:45	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	3.7	7.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 12:45	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	3.7	7.3	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 12:45	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	3.7	7.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 12:45	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	73	150	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 12:45	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	3.7	7.3	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 12:45	SS



Sample Information

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

York Sample ID: 15F0487-01

York Project (SDG) No.

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#150133 200 East 135th Street Bronx, NY

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06/12/2015

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-93-3	2-Butanone	9.1	CCV-E	ug/kg dry	3.7	7.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 12:45	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	3.7	7.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 12:45	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	3.7	7.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 12:45	SS
67-64-1	Acetone	50	CCV-E, SCAL- E	ug/kg dry	7.3	15	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 12:45	SS
71-43-2	Benzene	ND		ug/kg dry	3.7	7.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 12:45	SS
108-86-1	Bromobenzene	ND		ug/kg dry	3.7	7.3	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 12:45	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	3.7	7.3	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 12:45	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	3.7	7.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 12:45	SS
75-25-2	Bromoform	ND		ug/kg dry	3.7	7.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 12:45	SS
74-83-9	Bromomethane	ND		ug/kg dry	3.7	7.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 12:45	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	3.7	7.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 12:45	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	3.7	7.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 12:45	SS
75-00-3	Chloroethane	ND		ug/kg dry	3.7	7.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 12:45	SS
67-66-3	Chloroform	ND		ug/kg dry	3.7	7.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 12:45	SS
74-87-3	Chloromethane	ND		ug/kg dry	3.7	7.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 12:45	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	3.7	7.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 12:45	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	3.7	7.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 12:45	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	3.7	7.3	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 12:45	SS
74-95-3	Dibromomethane	ND		ug/kg dry	3.7	7.3	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 12:45	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	3.7	7.3	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 12:45	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	3.7	7.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 12:45	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	3.7	7.3	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 12:45	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	3.7	7.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 12:45	SS



Sample Information

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

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#150133 200 East 135th Street Bronx, NY

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Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	3.7	7.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 12:45	SS
75-09-2	Methylene chloride	ND		ug/kg dry	7.3	15	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 12:45	SS
91-20-3	Naphthalene	7.2	J	ug/kg dry	3.7	15	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 12:45	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	3.7	7.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 12:45	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	3.7	7.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 12:45	SS
95-47-6	o-Xylene	ND		ug/kg dry	3.7	7.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	06/16/2015 08:17	06/16/2015 12:45	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	7.3	15	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	06/16/2015 08:17	06/16/2015 12:45	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	3.7	7.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 12:45	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	3.7	7.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 12:45	SS
100-42-5	Styrene	ND		ug/kg dry	3.7	7.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 12:45	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	3.7	7.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 12:45	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	3.7	7.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 12:45	SS
108-88-3	Toluene	ND		ug/kg dry	3.7	7.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 12:45	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	3.7	7.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 12:45	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	3.7	7.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 12:45	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	3.7	7.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 12:45	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	3.7	7.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 12:45	SS
108-05-4	Vinyl acetate	ND		ug/kg dry	3.7	7.3	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 12:45	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	3.7	7.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 12:45	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	11	22	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 12:45	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	101 %	77-125
2037-26-5	Surrogate: Toluene-d8	101 %	85-120
460-00-4	Surrogate: p-Bromofluorobenzene	96.2 %	76-130



Sample Information

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#150133 200 East 135th Street Bronx, NY

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06/12/2015

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	454		ug/kg dry	46.3	92.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 23:57	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	46.3	92.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 23:57	KH
62-53-3	Aniline	ND		ug/kg dry	185	370	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 23:57	KH
120-12-7	Anthracene	815		ug/kg dry	46.3	92.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 23:57	KH
56-55-3	Benzo(a)anthracene	1810		ug/kg dry	46.3	92.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 23:57	KH
50-32-8	Benzo(a)pyrene	391	CCV-E	ug/kg dry	46.3	92.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 23:57	KH
205-99-2	Benzo(b)fluoranthene	359		ug/kg dry	46.3	92.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 23:57	KH
191-24-2	Benzo(g,h,i)perylene	137		ug/kg dry	46.3	92.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 23:57	KH
207-08-9	Benzo(k)fluoranthene	482		ug/kg dry	46.3	92.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 23:57	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	46.3	92.4	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 23:57	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	46.3	92.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 23:57	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	46.3	92.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 23:57	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	46.3	92.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 23:57	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	46.3	92.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 23:57	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	46.3	92.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 23:57	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	46.3	92.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 23:57	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	46.3	92.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 23:57	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	46.3	92.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 23:57	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	46.3	92.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 23:57	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	46.3	92.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 23:57	KH
218-01-9	Chrysene	1600		ug/kg dry	46.3	92.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 23:57	KH
53-70-3	Dibenzo(a,h)anthracene	87.9	J	ug/kg dry	46.3	92.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 23:57	KH



Sample Information

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#150133 200 East 135th Street Bronx, NY

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Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
132-64-9	Dibenzofuran	207		ug/kg dry	46.3	92.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 07:12	06/16/2015 23:57	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	46.3	92.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 23:57	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	46.3	92.4	2	EPA 8270D Certifications: NELAC-NY10854	06/16/2015 07:12	06/16/2015 23:57	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	46.3	92.4	2	EPA 8270D Certifications: NELAC-NY10854	06/16/2015 07:12	06/16/2015 23:57	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	46.3	92.4	2	EPA 8270D Certifications: NELAC-NY10854	06/16/2015 07:12	06/16/2015 23:57	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	46.3	92.4	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 23:57	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	46.3	92.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 23:57	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	46.3	92.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 23:57	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	46.3	92.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 23:57	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	46.3	92.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 23:57	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	92.4	185	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 07:12	06/16/2015 23:57	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	92.4	185	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 23:57	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	46.3	92.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 23:57	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	46.3	92.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 23:57	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	46.3	92.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 23:57	KH
117-81-7	Bis(2-ethylhexyl)phthalate	85.7	J	ug/kg dry	46.3	92.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 23:57	KH
206-44-0	Fluoranthene	2800		ug/kg dry	46.3	92.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 23:57	KH
86-73-7	Fluorene	475		ug/kg dry	46.3	92.4	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 23:57	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	46.3	92.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 23:57	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	46.3	92.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 23:57	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	46.3	92.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 23:57	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	46.3	92.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 23:57	KH
193-39-5	Indeno(1,2,3-cd)pyrene	159		ug/kg dry	46.3	92.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 23:57	KH



Sample Information

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

York Sample ID: 15F0487-01

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#150133 200 East 135th Street Bronx, NY

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June 11, 2015 9:20 am

06/12/2015

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-59-1	Isophorone	ND		ug/kg dry	46.3	92.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 23:57	KH
91-57-6	2-Methylnaphthalene	79.0	J	ug/kg dry	46.3	92.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 07:12	06/16/2015 23:57	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	46.3	92.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 23:57	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	46.3	92.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 07:12	06/16/2015 23:57	KH
91-20-3	Naphthalene	78.3	J	ug/kg dry	46.3	92.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 07:12	06/16/2015 23:57	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	92.4	185	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 23:57	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	92.4	185	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 23:57	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	92.4	185	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 23:57	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	46.3	92.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 23:57	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	46.3	92.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 23:57	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	92.4	185	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 23:57	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	46.3	92.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 23:57	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	46.3	92.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 07:12	06/16/2015 23:57	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	46.3	92.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 07:12	06/16/2015 23:57	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	46.3	92.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 23:57	KH
85-01-8	Phenanthrene	2060		ug/kg dry	46.3	92.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 23:57	KH
108-95-2	Phenol	ND		ug/kg dry	46.3	92.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 23:57	KH
129-00-0	Pyrene	4200	CCV-E	ug/kg dry	232	462	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/18/2015 00:16	KH
110-86-1	Pyridine	ND		ug/kg dry	185	370	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 23:57	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	46.3	92.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 23:57	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	46.3	92.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 23:57	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	46.3	92.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 07:12	06/16/2015 23:57	KH
	Surrogate Recoveries	Result			Acceptance Range						
367-12-4	Surrogate: 2-Fluorophenol	23.8 %			10-95						



Sample Information

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#150133 200 East 135th Street Bronx, NY

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06/12/2015

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
4165-62-2	Surrogate: Phenol-d5	35.4 %			10-107						
4165-60-0	Surrogate: Nitrobenzene-d5	33.2 %			10-95						
321-60-8	Surrogate: 2-Fluorobiphenyl	36.8 %			10-97						
118-79-6	Surrogate: 2,4,6-Tribromophenol	11.2 %			10-103						
1718-51-0	Surrogate: Terphenyl-d14	46.3 %			19-99						

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	46.4		ug/kg dry	1.83	1.83	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 15:50	AMC
72-55-9	4,4'-DDE	ND		ug/kg dry	1.83	1.83	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 15:50	AMC
50-29-3	4,4'-DDT	100		ug/kg dry	1.83	1.83	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 15:50	AMC
309-00-2	Aldrin	ND		ug/kg dry	1.83	1.83	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 15:50	AMC
319-84-6	alpha-BHC	ND		ug/kg dry	1.83	1.83	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 15:50	AMC
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.83	1.83	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	06/15/2015 12:28	06/17/2015 15:50	AMC
319-85-7	beta-BHC	ND		ug/kg dry	1.83	1.83	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 15:50	AMC
57-74-9	Chlordane, total	ND		ug/kg dry	73.1	73.1	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 15:50	AMC
319-86-8	delta-BHC	ND		ug/kg dry	1.83	1.83	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 15:50	AMC
60-57-1	Dieldrin	ND		ug/kg dry	1.83	1.83	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 15:50	AMC
959-98-8	Endosulfan I	ND		ug/kg dry	1.83	1.83	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 15:50	AMC
33213-65-9	Endosulfan II	ND		ug/kg dry	1.83	1.83	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 15:50	AMC
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.83	1.83	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 15:50	AMC
72-20-8	Endrin	ND		ug/kg dry	1.83	1.83	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 15:50	AMC
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.83	1.83	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 15:50	AMC
53494-70-5	Endrin ketone	ND		ug/kg dry	1.83	1.83	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 12:28	06/17/2015 15:50	AMC
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.83	1.83	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 15:50	AMC



Sample Information

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York Sample ID: 15F0487-01

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#150133 200 East 135th Street Bronx, NY

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June 11, 2015 9:20 am

06/12/2015

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
5103-74-2	gamma-Chlordane	ND		ug/kg dry	1.83	1.83	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	06/15/2015 12:28	06/17/2015 15:50	AMC
76-44-8	Heptachlor	ND		ug/kg dry	1.83	1.83	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 15:50	AMC
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.83	1.83	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 15:50	AMC
72-43-5	Methoxychlor	ND		ug/kg dry	9.14	9.14	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 15:50	AMC
8001-35-2	Toxaphene	ND		ug/kg dry	92.5	92.5	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 12:28	06/17/2015 15:50	AMC
Surrogate Recoveries		Result	Acceptance Range								
877-09-8	Surrogate: Tetrachloro-m-xylene	56.8 %	30-140								
2051-24-3	Surrogate: Decachlorobiphenyl	65.0 %	30-140								

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0185	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 00:14	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0185	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 00:14	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0185	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 00:14	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0185	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 00:14	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0185	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 00:14	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0185	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 00:14	AMC
11096-82-5	Aroclor 1260	0.0824		mg/kg dry	0.0185	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 00:14	AMC
1336-36-3	* Total PCBs	0.127		mg/kg dry	0.0185	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 00:14	AMC
Surrogate Recoveries		Result	Acceptance Range								
877-09-8	Surrogate: Tetrachloro-m-xylene	68.0 %	30-140								
2051-24-3	Surrogate: Decachlorobiphenyl	74.6 %	30-140								

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

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

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#150133 200 East 135th Street Bronx, NY

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06/12/2015

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	8040		mg/kg dry	5.54	5.54	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 17:30	06/17/2015 20:50	ALD
7440-36-0	Antimony	ND		mg/kg dry	0.554	0.554	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 17:30	06/17/2015 20:50	ALD
7440-38-2	Arsenic	4.13		mg/kg dry	1.11	1.11	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 17:30	06/17/2015 20:50	ALD
7440-39-3	Barium	333		mg/kg dry	1.11	1.11	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 17:30	06/17/2015 20:50	ALD
7440-41-7	Beryllium	ND		mg/kg dry	0.111	0.111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 17:30	06/17/2015 20:50	ALD
7440-43-9	Cadmium	0.952		mg/kg dry	0.332	0.332	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 17:30	06/17/2015 20:50	ALD
7440-70-2	Calcium	48600		mg/kg dry	0.554	5.54	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 17:30	06/17/2015 20:50	ALD
7440-47-3	Chromium	22.4		mg/kg dry	0.554	0.554	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 17:30	06/17/2015 20:50	ALD
7440-48-4	Cobalt	7.57		mg/kg dry	0.554	0.554	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 17:30	06/17/2015 20:50	ALD
7440-50-8	Copper	80.6		mg/kg dry	0.554	0.554	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 17:30	06/17/2015 20:50	ALD
7439-89-6	Iron	16500		mg/kg dry	2.22	2.22	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 17:30	06/17/2015 20:50	ALD
7439-92-1	Lead	251		mg/kg dry	0.332	0.332	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 17:30	06/17/2015 20:50	ALD
7439-95-4	Magnesium	9030		mg/kg dry	5.54	5.54	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 17:30	06/17/2015 20:50	ALD
7439-96-5	Manganese	230		mg/kg dry	0.554	0.554	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 17:30	06/17/2015 20:50	ALD
7440-02-0	Nickel	19.5		mg/kg dry	0.554	0.554	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 17:30	06/17/2015 20:50	ALD
7440-09-7	Potassium	1710		mg/kg dry	5.54	5.54	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 17:30	06/17/2015 20:50	ALD
7782-49-2	Selenium	ND		mg/kg dry	1.11	1.11	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 17:30	06/17/2015 20:50	ALD
7440-22-4	Silver	ND		mg/kg dry	0.554	0.554	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 17:30	06/17/2015 20:50	ALD
7440-23-5	Sodium	352	B	mg/kg dry	11.1	11.1	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 17:30	06/17/2015 20:50	ALD
7440-28-0	Thallium	ND		mg/kg dry	1.11	1.11	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 17:30	06/17/2015 20:50	ALD
7440-62-2	Vanadium	34.4		mg/kg dry	1.11	1.11	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 17:30	06/17/2015 20:50	ALD
7440-66-6	Zinc	338		mg/kg dry	1.11	1.11	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 17:30	06/17/2015 20:50	ALD



Sample Information

Client Sample ID: SP-1 (0-2') **York Sample ID:** 15F0487-01
York Project (SDG) No.: 15F0487 **Client Project ID:** #150133 200 East 135th Street Bronx, NY **Matrix:** Soil **Collection Date/Time:** June 11, 2015 9:20 am **Date Received:** 06/12/2015

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.134		mg/kg dry	0.0332	0.0332	1	EPA 7473	06/16/2015 07:05	06/16/2015 14:12	ALD
Certifications:									CTDOH,NJDEP,NELAC-NY10854,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	90.3		%	0.100	0.100	1	SM 2540G	06/15/2015 10:48	06/15/2015 15:00	SCA
Certifications:									CTDOH		

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.388	0.554	1	EPA 7196A	06/18/2015 07:36	06/18/2015 15:08	SC
Certifications:									NJDEP,CTDOH,NELAC-NY10854		

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	22.4		mg/kg	0.250	0.500	1	Calculation	06/18/2015 15:14	06/18/2015 15:24	SC
Certifications:											

Sample Information

Client Sample ID: SP-1 (10-12') **York Sample ID:** 15F0487-02
York Project (SDG) No.: 15F0487 **Client Project ID:** #150133 200 East 135th Street Bronx, NY **Matrix:** Soil **Collection Date/Time:** June 11, 2015 9:30 am **Date Received:** 06/12/2015

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	4.0	8.0	1	EPA 8260C	06/16/2015 08:17	06/16/2015 13:15	SS
Certifications:									CTDOH,NELAC-NY10854,NJDEP		
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	4.0	8.0	1	EPA 8260C	06/16/2015 08:17	06/16/2015 13:15	SS
Certifications:									CTDOH,NELAC-NY10854,NJDEP,PADEP		



Sample Information

Client Sample ID: SP-1 (10-12')

York Sample ID: 15F0487-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0487

#150133 200 East 135th Street Bronx, NY

Soil

June 11, 2015 9:30 am

06/12/2015

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 13:15	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 13:15	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 13:15	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 13:15	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 13:15	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 13:15	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 13:15	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 13:15	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 13:15	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 13:15	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 13:15	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 13:15	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 13:15	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 13:15	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 13:15	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 13:15	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 13:15	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 13:15	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 13:15	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	80	160	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 13:15	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 13:15	SS
78-93-3	2-Butanone	20	CCV-E	ug/kg dry	4.0	8.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 13:15	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 13:15	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 13:15	SS



Sample Information

Client Sample ID: SP-1 (10-12')

York Sample ID: 15F0487-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0487

#150133 200 East 135th Street Bronx, NY

Soil

June 11, 2015 9:30 am

06/12/2015

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	68	CCV-E, SCAL-E	ug/kg dry	8.0	16	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 13:15	SS
71-43-2	Benzene	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 13:15	SS
108-86-1	Bromobenzene	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 13:15	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 13:15	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 13:15	SS
75-25-2	Bromoform	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 13:15	SS
74-83-9	Bromomethane	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 13:15	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 13:15	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 13:15	SS
75-00-3	Chloroethane	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 13:15	SS
67-66-3	Chloroform	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 13:15	SS
74-87-3	Chloromethane	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 13:15	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 13:15	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 13:15	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 13:15	SS
74-95-3	Dibromomethane	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 13:15	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 13:15	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 13:15	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 13:15	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 13:15	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	5.9	J	ug/kg dry	4.0	8.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 13:15	SS
75-09-2	Methylene chloride	8.0	J	ug/kg dry	8.0	16	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 13:15	SS
91-20-3	Naphthalene	ND		ug/kg dry	4.0	16	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 13:15	SS



Sample Information

Client Sample ID: SP-1 (10-12')

York Sample ID: 15F0487-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0487

#150133 200 East 135th Street Bronx, NY

Soil

June 11, 2015 9:30 am

06/12/2015

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
104-51-8	n-Butylbenzene	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 13:15	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 13:15	SS
95-47-6	o-Xylene	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	06/16/2015 08:17	06/16/2015 13:15	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	8.0	16	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	06/16/2015 08:17	06/16/2015 13:15	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 13:15	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 13:15	SS
100-42-5	Styrene	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 13:15	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 13:15	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 13:15	SS
108-88-3	Toluene	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 13:15	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 13:15	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 13:15	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 13:15	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 13:15	SS
108-05-4	Vinyl acetate	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 13:15	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 13:15	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	12	24	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 13:15	SS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	103 %			77-125						
2037-26-5	Surrogate: Toluene-d8	104 %			85-120						
460-00-4	Surrogate: p-Bromofluorobenzene	110 %			76-130						

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	58.4	117	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 22:55	KH



Sample Information

Client Sample ID: SP-1 (10-12')

York Sample ID: 15F0487-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0487

#150133 200 East 135th Street Bronx, NY

Soil

June 11, 2015 9:30 am

06/12/2015

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
208-96-8	Acenaphthylene	ND		ug/kg dry	58.4	117	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 22:55	KH
62-53-3	Aniline	ND		ug/kg dry	233	467	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 22:55	KH
120-12-7	Anthracene	ND		ug/kg dry	58.4	117	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 22:55	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	58.4	117	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 22:55	KH
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	58.4	117	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 22:55	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	58.4	117	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 22:55	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	58.4	117	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 22:55	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	58.4	117	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 22:55	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	58.4	117	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 22:55	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	58.4	117	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 22:55	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	58.4	117	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 22:55	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	58.4	117	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 22:55	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	58.4	117	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 22:55	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	58.4	117	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 22:55	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	58.4	117	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 22:55	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	58.4	117	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 22:55	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	58.4	117	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 22:55	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	58.4	117	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 22:55	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	58.4	117	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 22:55	KH
218-01-9	Chrysene	ND		ug/kg dry	58.4	117	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 22:55	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	58.4	117	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 22:55	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	58.4	117	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 07:12	06/16/2015 22:55	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	58.4	117	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 22:55	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	58.4	117	2	EPA 8270D Certifications: NELAC-NY10854	06/16/2015 07:12	06/16/2015 22:55	KH



Sample Information

Client Sample ID: SP-1 (10-12')

York Sample ID: 15F0487-02

York Project (SDG) No.

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15F0487

#150133 200 East 135th Street Bronx, NY

Soil

June 11, 2015 9:30 am

06/12/2015

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	58.4	117	2	EPA 8270D Certifications: NELAC-NY10854	06/16/2015 07:12	06/16/2015 22:55	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	58.4	117	2	EPA 8270D Certifications: NELAC-NY10854	06/16/2015 07:12	06/16/2015 22:55	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	58.4	117	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 22:55	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	58.4	117	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 22:55	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	58.4	117	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 22:55	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	58.4	117	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 22:55	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	58.4	117	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 22:55	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	117	233	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 07:12	06/16/2015 22:55	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	117	233	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 22:55	KH
121-14-2	2,4-Dinitrotoluene	781		ug/kg dry	58.4	117	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 22:55	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	58.4	117	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 22:55	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	58.4	117	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 22:55	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	58.4	117	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 22:55	KH
206-44-0	Fluoranthene	ND		ug/kg dry	58.4	117	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 22:55	KH
86-73-7	Fluorene	ND		ug/kg dry	58.4	117	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 22:55	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	58.4	117	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 22:55	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	58.4	117	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 22:55	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	58.4	117	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 22:55	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	58.4	117	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 22:55	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	58.4	117	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 22:55	KH
78-59-1	Isophorone	ND		ug/kg dry	58.4	117	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 22:55	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	58.4	117	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 07:12	06/16/2015 22:55	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	58.4	117	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 22:55	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	58.4	117	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 07:12	06/16/2015 22:55	KH



Sample Information

Client Sample ID: SP-1 (10-12')

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#150133 200 East 135th Street Bronx, NY

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June 11, 2015 9:30 am

06/12/2015

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-20-3	Naphthalene	ND		ug/kg dry	58.4	117	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 07:12	06/16/2015 22:55	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	117	233	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 22:55	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	117	233	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 22:55	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	117	233	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 22:55	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	58.4	117	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 22:55	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	58.4	117	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 22:55	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	117	233	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 22:55	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	58.4	117	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 22:55	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	58.4	117	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 07:12	06/16/2015 22:55	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	58.4	117	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 07:12	06/16/2015 22:55	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	58.4	117	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 22:55	KH
85-01-8	Phenanthrene	ND		ug/kg dry	58.4	117	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 22:55	KH
108-95-2	Phenol	ND		ug/kg dry	58.4	117	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 22:55	KH
129-00-0	Pyrene	ND		ug/kg dry	58.4	117	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 22:55	KH
110-86-1	Pyridine	ND		ug/kg dry	233	467	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 22:55	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	58.4	117	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 22:55	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	58.4	117	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 22:55	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	58.4	117	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 07:12	06/16/2015 22:55	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	Surrogate: 2-Fluorophenol	32.0 %	10-95
4165-62-2	Surrogate: Phenol-d5	34.5 %	10-107
4165-60-0	Surrogate: Nitrobenzene-d5	29.0 %	10-95
321-60-8	Surrogate: 2-Fluorobiphenyl	31.3 %	10-97
118-79-6	Surrogate: 2,4,6-Tribromophenol	26.0 %	10-103
1718-51-0	Surrogate: Terphenyl-d14	34.2 %	19-99



Sample Information

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#150133 200 East 135th Street Bronx, NY

Soil

June 11, 2015 9:30 am

06/12/2015

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	2.31	2.31	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 16:05	AMC
72-55-9	4,4'-DDE	ND		ug/kg dry	2.31	2.31	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 16:05	AMC
50-29-3	4,4'-DDT	ND		ug/kg dry	2.31	2.31	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 16:05	AMC
309-00-2	Aldrin	ND		ug/kg dry	2.31	2.31	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 16:05	AMC
319-84-6	alpha-BHC	ND		ug/kg dry	2.31	2.31	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 16:05	AMC
5103-71-9	alpha-Chlordane	ND		ug/kg dry	2.31	2.31	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	06/15/2015 12:28	06/17/2015 16:05	AMC
319-85-7	beta-BHC	ND		ug/kg dry	2.31	2.31	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 16:05	AMC
57-74-9	Chlordane, total	ND		ug/kg dry	92.3	92.3	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 16:05	AMC
319-86-8	delta-BHC	ND		ug/kg dry	2.31	2.31	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 16:05	AMC
60-57-1	Dieldrin	ND		ug/kg dry	2.31	2.31	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 16:05	AMC
959-98-8	Endosulfan I	ND		ug/kg dry	2.31	2.31	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 16:05	AMC
33213-65-9	Endosulfan II	ND		ug/kg dry	2.31	2.31	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 16:05	AMC
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	2.31	2.31	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 16:05	AMC
72-20-8	Endrin	ND		ug/kg dry	2.31	2.31	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 16:05	AMC
7421-93-4	Endrin aldehyde	ND		ug/kg dry	2.31	2.31	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 16:05	AMC
53494-70-5	Endrin ketone	ND		ug/kg dry	2.31	2.31	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 12:28	06/17/2015 16:05	AMC
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	2.31	2.31	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 16:05	AMC
5103-74-2	gamma-Chlordane	ND		ug/kg dry	2.31	2.31	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	06/15/2015 12:28	06/17/2015 16:05	AMC
76-44-8	Heptachlor	ND		ug/kg dry	2.31	2.31	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 16:05	AMC
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	2.31	2.31	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 16:05	AMC
72-43-5	Methoxychlor	ND		ug/kg dry	11.5	11.5	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 16:05	AMC
8001-35-2	Toxaphene	ND		ug/kg dry	117	117	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 12:28	06/17/2015 16:05	AMC
	Surrogate Recoveries	Result		Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	65.1 %		30-140							



Sample Information

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#150133 200 East 135th Street Bronx, NY

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06/12/2015

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2051-24-3	Surrogate: Decachlorobiphenyl	99.7 %			30-140						

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0233	0.0233	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 00:44	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0233	0.0233	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 00:44	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0233	0.0233	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 00:44	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0233	0.0233	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 00:44	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0233	0.0233	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 00:44	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0233	0.0233	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 00:44	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0233	0.0233	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 00:44	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0233	0.0233	1	EPA 8082A Certifications:	06/15/2015 12:28	06/17/2015 00:44	AMC

Surrogate Recoveries

Result

Acceptance Range

877-09-8	Surrogate: Tetrachloro-m-xylene	90.1 %			30-140
2051-24-3	Surrogate: Decachlorobiphenyl	80.6 %			30-140

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	8500		mg/kg dry	6.99	6.99	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 17:30	06/17/2015 20:55	ALD
7440-36-0	Antimony	ND		mg/kg dry	0.699	0.699	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 17:30	06/17/2015 20:55	ALD
7440-38-2	Arsenic	1.77		mg/kg dry	1.40	1.40	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 17:30	06/17/2015 20:55	ALD
7440-39-3	Barium	19.1		mg/kg dry	1.40	1.40	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 17:30	06/17/2015 20:55	ALD
7440-41-7	Beryllium	ND		mg/kg dry	0.140	0.140	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 17:30	06/17/2015 20:55	ALD
7440-43-9	Cadmium	ND		mg/kg dry	0.419	0.419	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 17:30	06/17/2015 20:55	ALD
7440-70-2	Calcium	1710		mg/kg dry	0.699	6.99	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 17:30	06/17/2015 20:55	ALD



Sample Information

Client Sample ID: SP-1 (10-12')

York Sample ID: 15F0487-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0487

#150133 200 East 135th Street Bronx, NY

Soil

June 11, 2015 9:30 am

06/12/2015

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-47-3	Chromium	12.7		mg/kg dry	0.699	0.699	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 17:30	06/17/2015 20:55	ALD
7440-48-4	Cobalt	4.05		mg/kg dry	0.699	0.699	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 17:30	06/17/2015 20:55	ALD
7440-50-8	Copper	7.34		mg/kg dry	0.699	0.699	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 17:30	06/17/2015 20:55	ALD
7439-89-6	Iron	9170		mg/kg dry	2.80	2.80	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 17:30	06/17/2015 20:55	ALD
7439-92-1	Lead	7.82		mg/kg dry	0.419	0.419	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 17:30	06/17/2015 20:55	ALD
7439-95-4	Magnesium	2160		mg/kg dry	6.99	6.99	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 17:30	06/17/2015 20:55	ALD
7439-96-5	Manganese	198		mg/kg dry	0.699	0.699	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 17:30	06/17/2015 20:55	ALD
7440-02-0	Nickel	11.3		mg/kg dry	0.699	0.699	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 17:30	06/17/2015 20:55	ALD
7440-09-7	Potassium	831		mg/kg dry	6.99	6.99	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 17:30	06/17/2015 20:55	ALD
7782-49-2	Selenium	1.79		mg/kg dry	1.40	1.40	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 17:30	06/17/2015 20:55	ALD
7440-22-4	Silver	ND		mg/kg dry	0.699	0.699	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 17:30	06/17/2015 20:55	ALD
7440-23-5	Sodium	183	B	mg/kg dry	14.0	14.0	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 17:30	06/17/2015 20:55	ALD
7440-28-0	Thallium	ND		mg/kg dry	1.40	1.40	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 17:30	06/17/2015 20:55	ALD
7440-62-2	Vanadium	15.6		mg/kg dry	1.40	1.40	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 17:30	06/17/2015 20:55	ALD
7440-66-6	Zinc	28.7		mg/kg dry	1.40	1.40	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 17:30	06/17/2015 20:55	ALD

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0419	0.0419	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	06/16/2015 07:05	06/16/2015 14:21	ALD

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

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

Client Sample ID: SP-1 (10-12')

York Sample ID: 15F0487-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0487

#150133 200 East 135th Street Bronx, NY

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Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	71.5		%	0.100	0.100	1	SM 2540G	06/15/2015 10:48	06/15/2015 15:00	SCA
Certifications: CTDOH											

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.489	0.699	1	EPA 7196A	06/18/2015 07:36	06/18/2015 15:08	SC
Certifications: NJDEP,CTDOH,NELAC-NY10854											

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	12.7		mg/kg	0.250	0.500	1	Calculation	06/18/2015 15:14	06/18/2015 15:24	SC
Certifications:											

Sample Information

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

York Sample ID: 15F0487-03

York Project (SDG) No.

Client Project ID

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Collection Date/Time

Date Received

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#150133 200 East 135th Street Bronx, NY

Soil

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Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	06/16/2015 08:17	06/16/2015 13:44	SS
Certifications: CTDOH,NELAC-NY10854,NJDEP											
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	06/16/2015 08:17	06/16/2015 13:44	SS
Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP											
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	06/16/2015 08:17	06/16/2015 13:44	SS
Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP											
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	06/16/2015 08:17	06/16/2015 13:44	SS
Certifications: CTDOH,NELAC-NY10854,NJDEP											
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	06/16/2015 08:17	06/16/2015 13:44	SS
Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP											
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	06/16/2015 08:17	06/16/2015 13:44	SS
Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP											



Sample Information

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

York Sample ID: 15F0487-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0487

#150133 200 East 135th Street Bronx, NY

Soil

June 11, 2015 9:15 am

06/12/2015

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 13:44	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 13:44	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 13:44	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 13:44	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 13:44	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 13:44	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 13:44	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 13:44	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 13:44	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 13:44	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 13:44	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 13:44	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 13:44	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 13:44	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 13:44	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	56	110	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 13:44	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 13:44	SS
78-93-3	2-Butanone	15	CCV-E	ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 13:44	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 13:44	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 13:44	SS
67-64-1	Acetone	29	CCV-E, SCAL-E	ug/kg dry	5.6	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 13:44	SS
71-43-2	Benzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 13:44	SS
108-86-1	Bromobenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 13:44	SS



Sample Information

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

York Sample ID: 15F0487-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0487

#150133 200 East 135th Street Bronx, NY

Soil

June 11, 2015 9:15 am

06/12/2015

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-97-5	Bromochloromethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 13:44	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 13:44	SS
75-25-2	Bromoform	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 13:44	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 13:44	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 13:44	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 13:44	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 13:44	SS
67-66-3	Chloroform	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 13:44	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 13:44	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 13:44	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 13:44	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 13:44	SS
74-95-3	Dibromomethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 13:44	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 13:44	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 13:44	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 13:44	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 13:44	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 13:44	SS
75-09-2	Methylene chloride	ND		ug/kg dry	5.6	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 13:44	SS
91-20-3	Naphthalene	ND		ug/kg dry	2.8	11	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 13:44	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 13:44	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 13:44	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	06/16/2015 08:17	06/16/2015 13:44	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.6	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	06/16/2015 08:17	06/16/2015 13:44	SS



Sample Information

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

York Sample ID: 15F0487-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0487

#150133 200 East 135th Street Bronx, NY

Soil

June 11, 2015 9:15 am

06/12/2015

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 13:44	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 13:44	SS
100-42-5	Styrene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 13:44	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 13:44	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 13:44	SS
108-88-3	Toluene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 13:44	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 13:44	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 13:44	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 13:44	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 13:44	SS
108-05-4	Vinyl acetate	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 13:44	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 13:44	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	8.4	17	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 13:44	SS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	72.4 %	S-08		77-125						
2037-26-5	Surrogate: Toluene-d8	105 %			85-120						
460-00-4	Surrogate: p-Bromofluorobenzene	98.7 %			76-130						

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	773		ug/kg dry	44.3	88.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 00:29	KH
208-96-8	Acenaphthylene	75.6	J	ug/kg dry	44.3	88.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 00:29	KH
62-53-3	Aniline	ND		ug/kg dry	177	354	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 00:29	KH
120-12-7	Anthracene	1350		ug/kg dry	44.3	88.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 00:29	KH
56-55-3	Benzo(a)anthracene	5700		ug/kg dry	443	883	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/18/2015 01:18	KH



Sample Information

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

York Sample ID: 15F0487-03

York Project (SDG) No.

Client Project ID

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15F0487

#150133 200 East 135th Street Bronx, NY

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June 11, 2015 9:15 am

06/12/2015

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	665		ug/kg dry	44.3	88.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 00:29	KH
205-99-2	Benzo(b)fluoranthene	604		ug/kg dry	44.3	88.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 00:29	KH
191-24-2	Benzo(g,h,i)perylene	705		ug/kg dry	44.3	88.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 00:29	KH
207-08-9	Benzo(k)fluoranthene	816		ug/kg dry	44.3	88.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 00:29	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	44.3	88.3	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 00:29	KH
85-68-7	Benzyl butyl phthalate	60.0	J	ug/kg dry	44.3	88.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 00:29	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	44.3	88.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 00:29	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	44.3	88.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 00:29	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	44.3	88.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 00:29	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	44.3	88.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 00:29	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	44.3	88.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 00:29	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	44.3	88.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 00:29	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	44.3	88.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 00:29	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	44.3	88.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 00:29	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	44.3	88.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 00:29	KH
218-01-9	Chrysene	5490		ug/kg dry	44.3	88.3	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/18/2015 01:18	KH
53-70-3	Dibenzo(a,h)anthracene	364		ug/kg dry	44.3	88.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 00:29	KH
132-64-9	Dibenzofuran	330		ug/kg dry	44.3	88.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 00:29	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	44.3	88.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 00:29	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	44.3	88.3	2	EPA 8270D Certifications: NELAC-NY10854	06/16/2015 07:12	06/17/2015 00:29	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	44.3	88.3	2	EPA 8270D Certifications: NELAC-NY10854	06/16/2015 07:12	06/17/2015 00:29	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	44.3	88.3	2	EPA 8270D Certifications: NELAC-NY10854	06/16/2015 07:12	06/17/2015 00:29	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	44.3	88.3	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 00:29	KH



Sample Information

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

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#150133 200 East 135th Street Bronx, NY

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06/12/2015

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	44.3	88.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 00:29	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	44.3	88.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 00:29	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	44.3	88.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 00:29	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	44.3	88.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 00:29	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	88.3	176	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 07:12	06/17/2015 00:29	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	88.3	176	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 00:29	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	44.3	88.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 00:29	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	44.3	88.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 00:29	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	44.3	88.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 00:29	KH
117-81-7	Bis(2-ethylhexyl)phthalate	705		ug/kg dry	44.3	88.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 00:29	KH
206-44-0	Fluoranthene	11000		ug/kg dry	443	883	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/18/2015 01:18	KH
86-73-7	Fluorene	792		ug/kg dry	44.3	88.3	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 00:29	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	44.3	88.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 00:29	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	44.3	88.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 00:29	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	44.3	88.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 00:29	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	44.3	88.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 00:29	KH
193-39-5	Indeno(1,2,3-cd)pyrene	698		ug/kg dry	44.3	88.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 00:29	KH
78-59-1	Isophorone	ND		ug/kg dry	44.3	88.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 00:29	KH
91-57-6	2-Methylnaphthalene	106		ug/kg dry	44.3	88.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 07:12	06/17/2015 00:29	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	44.3	88.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 00:29	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	44.3	88.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 07:12	06/17/2015 00:29	KH
91-20-3	Naphthalene	126		ug/kg dry	44.3	88.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 07:12	06/17/2015 00:29	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	88.3	176	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 00:29	KH



Sample Information

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

York Sample ID: 15F0487-03

York Project (SDG) No.

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#150133 200 East 135th Street Bronx, NY

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06/12/2015

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
88-74-4	2-Nitroaniline	ND		ug/kg dry	88.3	176	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 00:29	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	88.3	176	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 00:29	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	44.3	88.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 00:29	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	44.3	88.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 00:29	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	88.3	176	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 00:29	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	44.3	88.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 00:29	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	44.3	88.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 07:12	06/17/2015 00:29	KH
86-30-6	N-Nitrosodiphenylamine	230		ug/kg dry	44.3	88.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 07:12	06/17/2015 00:29	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	44.3	88.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 00:29	KH
85-01-8	Phenanthrene	7980		ug/kg dry	44.3	88.3	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/18/2015 01:18	KH
108-95-2	Phenol	ND		ug/kg dry	44.3	88.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 00:29	KH
129-00-0	Pyrene	10200	CCV-E	ug/kg dry	44.3	88.3	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/18/2015 01:18	KH
110-86-1	Pyridine	ND		ug/kg dry	177	354	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 00:29	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	44.3	88.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 00:29	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	44.3	88.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 00:29	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	44.3	88.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 07:12	06/17/2015 00:29	KH
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: 2-Fluorophenol	40.2 %			10-95						
4165-62-2	Surrogate: Phenol-d5	44.4 %			10-107						
4165-60-0	Surrogate: Nitrobenzene-d5	38.5 %			10-95						
321-60-8	Surrogate: 2-Fluorobiphenyl	43.5 %			10-97						
118-79-6	Surrogate: 2,4,6-Tribromophenol	35.1 %			10-103						
1718-51-0	Surrogate: Terphenyl-d14	84.4 %			19-99						

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

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

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

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15F0487

#150133 200 East 135th Street Bronx, NY

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June 11, 2015 9:15 am

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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	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	51.9		ug/kg dry	1.75	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 16:20	AMC
72-55-9	4,4'-DDE	ND		ug/kg dry	1.75	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 16:20	AMC
50-29-3	4,4'-DDT	107		ug/kg dry	1.75	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 16:20	AMC
309-00-2	Aldrin	ND		ug/kg dry	1.75	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 16:20	AMC
319-84-6	alpha-BHC	ND		ug/kg dry	1.75	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 16:20	AMC
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.75	1.75	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	06/15/2015 12:28	06/17/2015 16:20	AMC
319-85-7	beta-BHC	ND		ug/kg dry	1.75	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 16:20	AMC
57-74-9	Chlordane, total	ND		ug/kg dry	69.9	69.9	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 16:20	AMC
319-86-8	delta-BHC	ND		ug/kg dry	1.75	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 16:20	AMC
60-57-1	Dieldrin	ND		ug/kg dry	1.75	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 16:20	AMC
959-98-8	Endosulfan I	ND		ug/kg dry	1.75	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 16:20	AMC
33213-65-9	Endosulfan II	ND		ug/kg dry	1.75	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 16:20	AMC
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.75	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 16:20	AMC
72-20-8	Endrin	ND		ug/kg dry	1.75	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 16:20	AMC
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.75	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 16:20	AMC
53494-70-5	Endrin ketone	ND		ug/kg dry	1.75	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 12:28	06/17/2015 16:20	AMC
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.75	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 16:20	AMC
5103-74-2	gamma-Chlordane	ND		ug/kg dry	1.75	1.75	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	06/15/2015 12:28	06/17/2015 16:20	AMC
76-44-8	Heptachlor	ND		ug/kg dry	1.75	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 16:20	AMC
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.75	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 16:20	AMC
72-43-5	Methoxychlor	ND		ug/kg dry	8.74	8.74	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 16:20	AMC
8001-35-2	Toxaphene	ND		ug/kg dry	88.4	88.4	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 12:28	06/17/2015 16:20	AMC

Surrogate Recoveries

Result

Acceptance Range

877-09-8 Surrogate: Tetrachloro-m-xylene

61.3 %

30-140



Sample Information

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

York Sample ID: 15F0487-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0487

#150133 200 East 135th Street Bronx, NY

Soil

June 11, 2015 9:15 am

06/12/2015

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2051-24-3	Surrogate: Decachlorobiphenyl	86.1 %			30-140						

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0176	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 01:13	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0176	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 01:13	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0176	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 01:13	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0176	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 01:13	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0176	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 01:13	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0176	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 01:13	AMC
11096-82-5	Aroclor 1260	0.113		mg/kg dry	0.0176	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 01:13	AMC
1336-36-3	* Total PCBs	0.161		mg/kg dry	0.0176	0.0176	1	EPA 8082A Certifications:	06/15/2015 12:28	06/17/2015 01:13	AMC

Surrogate Recoveries

Result

Acceptance Range

877-09-8	Surrogate: Tetrachloro-m-xylene	78.3 %			30-140
2051-24-3	Surrogate: Decachlorobiphenyl	81.1 %			30-140

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	7480		mg/kg dry	5.30	5.30	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 17:30	06/17/2015 20:59	ALD
7440-36-0	Antimony	ND		mg/kg dry	0.530	0.530	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 17:30	06/17/2015 20:59	ALD
7440-38-2	Arsenic	4.08		mg/kg dry	1.06	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 17:30	06/17/2015 20:59	ALD
7440-39-3	Barium	378		mg/kg dry	1.06	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 17:30	06/17/2015 20:59	ALD
7440-41-7	Beryllium	ND		mg/kg dry	0.106	0.106	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 17:30	06/17/2015 20:59	ALD
7440-43-9	Cadmium	1.01		mg/kg dry	0.318	0.318	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 17:30	06/17/2015 20:59	ALD



Sample Information

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

York Sample ID: 15F0487-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0487

#150133 200 East 135th Street Bronx, NY

Soil

June 11, 2015 9:15 am

06/12/2015

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-70-2	Calcium	43900		mg/kg dry	0.530	5.30	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 17:30	06/17/2015 20:59	ALD
7440-47-3	Chromium	22.2		mg/kg dry	0.530	0.530	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 17:30	06/17/2015 20:59	ALD
7440-48-4	Cobalt	10.9		mg/kg dry	0.530	0.530	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 17:30	06/17/2015 20:59	ALD
7440-50-8	Copper	103		mg/kg dry	0.530	0.530	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 17:30	06/17/2015 20:59	ALD
7439-89-6	Iron	23700		mg/kg dry	2.12	2.12	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 17:30	06/17/2015 20:59	ALD
7439-92-1	Lead	286		mg/kg dry	0.318	0.318	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 17:30	06/17/2015 20:59	ALD
7439-95-4	Magnesium	7500		mg/kg dry	5.30	5.30	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 17:30	06/17/2015 20:59	ALD
7439-96-5	Manganese	300		mg/kg dry	0.530	0.530	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 17:30	06/17/2015 20:59	ALD
7440-02-0	Nickel	24.9		mg/kg dry	0.530	0.530	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 17:30	06/17/2015 20:59	ALD
7440-09-7	Potassium	1800		mg/kg dry	5.30	5.30	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 17:30	06/17/2015 20:59	ALD
7782-49-2	Selenium	2.11		mg/kg dry	1.06	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 17:30	06/17/2015 20:59	ALD
7440-22-4	Silver	ND		mg/kg dry	0.530	0.530	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 17:30	06/17/2015 20:59	ALD
7440-23-5	Sodium	391	B	mg/kg dry	10.6	10.6	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 17:30	06/17/2015 20:59	ALD
7440-28-0	Thallium	ND		mg/kg dry	1.06	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 17:30	06/17/2015 20:59	ALD
7440-62-2	Vanadium	47.6		mg/kg dry	1.06	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 17:30	06/17/2015 20:59	ALD
7440-66-6	Zinc	497		mg/kg dry	1.06	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 17:30	06/17/2015 20:59	ALD

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.363		mg/kg dry	0.0318	0.0318	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	06/16/2015 07:05	06/16/2015 14:31	ALD

Total Solids

Log-in Notes:

Sample Notes:



Sample Information

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

York Sample ID: 15F0487-03

<u>York Project (SDG) No.</u> 15F0487	<u>Client Project ID</u> #150133 200 East 135th Street Bronx, NY	<u>Matrix</u> Soil	<u>Collection Date/Time</u> June 11, 2015 9:15 am	<u>Date Received</u> 06/12/2015
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Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	94.4		%	0.100	0.100	1	SM 2540G Certifications: CTDOH	06/15/2015 10:48	06/15/2015 15:00	SCA

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.371	0.530	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854	06/18/2015 07:36	06/18/2015 15:08	SC

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	22.2		mg/kg	0.250	0.500	1	Calculation Certifications:	06/18/2015 15:14	06/18/2015 15:24	SC

Sample Information

Client Sample ID: SP-3 (10-12')

York Sample ID: 15F0487-04

<u>York Project (SDG) No.</u> 15F0487	<u>Client Project ID</u> #150133 200 East 135th Street Bronx, NY	<u>Matrix</u> Soil	<u>Collection Date/Time</u> June 11, 2015 9:25 am	<u>Date Received</u> 06/12/2015
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Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 14:13	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 14:13	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 14:13	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 14:13	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 14:13	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 14:13	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 14:13	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 14:13	SS



Sample Information

Client Sample ID: SP-3 (10-12')

York Sample ID: 15F0487-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0487

#150133 200 East 135th Street Bronx, NY

Soil

June 11, 2015 9:25 am

06/12/2015

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 14:13	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 14:13	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 14:13	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 14:13	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 14:13	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 14:13	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 14:13	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 14:13	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 14:13	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 14:13	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 14:13	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 14:13	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 14:13	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	45	90	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 14:13	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 14:13	SS
78-93-3	2-Butanone	10	CCV-E	ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 14:13	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 14:13	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 14:13	SS
67-64-1	Acetone	ND		ug/kg dry	4.5	9.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 14:13	SS
71-43-2	Benzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 14:13	SS
108-86-1	Bromobenzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 14:13	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 14:13	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 14:13	SS
75-25-2	Bromoform	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 14:13	SS



Sample Information

Client Sample ID: SP-3 (10-12')

York Sample ID: 15F0487-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0487

#150133 200 East 135th Street Bronx, NY

Soil

June 11, 2015 9:25 am

06/12/2015

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-83-9	Bromomethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 14:13	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 14:13	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 14:13	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 14:13	SS
67-66-3	Chloroform	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 14:13	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 14:13	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 14:13	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 14:13	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 14:13	SS
74-95-3	Dibromomethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 14:13	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 14:13	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 14:13	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 14:13	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 14:13	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 14:13	SS
75-09-2	Methylene chloride	ND		ug/kg dry	4.5	9.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 14:13	SS
91-20-3	Naphthalene	ND		ug/kg dry	2.3	9.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 14:13	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 14:13	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 14:13	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	06/16/2015 08:17	06/16/2015 14:13	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.5	9.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	06/16/2015 08:17	06/16/2015 14:13	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 14:13	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 14:13	SS
100-42-5	Styrene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 14:13	SS



Sample Information

Client Sample ID: SP-3 (10-12')

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Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 14:13	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 14:13	SS
108-88-3	Toluene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 14:13	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 14:13	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 14:13	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 14:13	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 14:13	SS
108-05-4	Vinyl acetate	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 14:13	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 14:13	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	6.8	14	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 14:13	SS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	99.4 %			77-125						
2037-26-5	Surrogate: Toluene-d8	98.4 %			85-120						
460-00-4	Surrogate: p-Bromofluorobenzene	95.7 %			76-130						

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	56.8	113	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 23:26	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	56.8	113	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 23:26	KH
62-53-3	Aniline	ND		ug/kg dry	227	454	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 23:26	KH
120-12-7	Anthracene	ND		ug/kg dry	56.8	113	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 23:26	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	56.8	113	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 23:26	KH
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	56.8	113	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 23:26	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	56.8	113	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 23:26	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	56.8	113	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 23:26	KH



Sample Information

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Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	56.8	113	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 23:26	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	56.8	113	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 23:26	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	56.8	113	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 23:26	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	56.8	113	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 23:26	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	56.8	113	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 23:26	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	56.8	113	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 23:26	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	56.8	113	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 23:26	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	56.8	113	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 23:26	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	56.8	113	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 23:26	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	56.8	113	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 23:26	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	56.8	113	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 23:26	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	56.8	113	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 23:26	KH
218-01-9	Chrysene	ND		ug/kg dry	56.8	113	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 23:26	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	56.8	113	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 23:26	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	56.8	113	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 07:12	06/16/2015 23:26	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	56.8	113	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 23:26	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	56.8	113	2	EPA 8270D Certifications: NELAC-NY10854	06/16/2015 07:12	06/16/2015 23:26	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	56.8	113	2	EPA 8270D Certifications: NELAC-NY10854	06/16/2015 07:12	06/16/2015 23:26	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	56.8	113	2	EPA 8270D Certifications: NELAC-NY10854	06/16/2015 07:12	06/16/2015 23:26	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	56.8	113	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 23:26	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	56.8	113	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 23:26	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	56.8	113	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 23:26	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	56.8	113	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 23:26	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	56.8	113	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 23:26	KH



Sample Information

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#150133 200 East 135th Street Bronx, NY

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06/12/2015

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

Table with 13 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows include various chemical compounds like 4,6-Dinitro-2-methylphenol, 2,4-Dinitrophenol, etc.



Sample Information

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06/12/2015

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	56.8	113	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 23:26	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	56.8	113	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 07:12	06/16/2015 23:26	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	56.8	113	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 07:12	06/16/2015 23:26	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	56.8	113	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 23:26	KH
85-01-8	Phenanthrene	ND		ug/kg dry	56.8	113	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 23:26	KH
108-95-2	Phenol	ND		ug/kg dry	56.8	113	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 23:26	KH
129-00-0	Pyrene	ND		ug/kg dry	56.8	113	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 23:26	KH
110-86-1	Pyridine	ND		ug/kg dry	227	454	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 23:26	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	56.8	113	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 23:26	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	56.8	113	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/16/2015 23:26	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	56.8	113	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 07:12	06/16/2015 23:26	KH

Surrogate Recoveries

Result

Acceptance Range

367-12-4	Surrogate: 2-Fluorophenol	64.4 %	10-95
4165-62-2	Surrogate: Phenol-d5	69.3 %	10-107
4165-60-0	Surrogate: Nitrobenzene-d5	62.4 %	10-95
321-60-8	Surrogate: 2-Fluorobiphenyl	59.2 %	10-97
118-79-6	Surrogate: 2,4,6-Tribromophenol	50.9 %	10-103
1718-51-0	Surrogate: Terphenyl-d14	57.8 %	19-99

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	2.24	2.24	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 16:35	AMC
72-55-9	4,4'-DDE	4.53		ug/kg dry	2.24	2.24	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 16:35	AMC
50-29-3	4,4'-DDT	3.86		ug/kg dry	2.24	2.24	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 16:35	AMC
309-00-2	Aldrin	ND		ug/kg dry	2.24	2.24	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 16:35	AMC
319-84-6	alpha-BHC	ND		ug/kg dry	2.24	2.24	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 16:35	AMC



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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	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
5103-71-9	alpha-Chlordane	ND		ug/kg dry	2.24	2.24	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	06/15/2015 12:28	06/17/2015 16:35	AMC
319-85-7	beta-BHC	ND		ug/kg dry	2.24	2.24	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 16:35	AMC
57-74-9	Chlordane, total	ND		ug/kg dry	89.7	89.7	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 16:35	AMC
319-86-8	delta-BHC	ND		ug/kg dry	2.24	2.24	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 16:35	AMC
60-57-1	Dieldrin	ND		ug/kg dry	2.24	2.24	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 16:35	AMC
959-98-8	Endosulfan I	ND		ug/kg dry	2.24	2.24	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 16:35	AMC
33213-65-9	Endosulfan II	ND		ug/kg dry	2.24	2.24	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 16:35	AMC
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	2.24	2.24	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 16:35	AMC
72-20-8	Endrin	ND		ug/kg dry	2.24	2.24	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 16:35	AMC
7421-93-4	Endrin aldehyde	ND		ug/kg dry	2.24	2.24	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 16:35	AMC
53494-70-5	Endrin ketone	ND		ug/kg dry	2.24	2.24	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 12:28	06/17/2015 16:35	AMC
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	2.24	2.24	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 16:35	AMC
5103-74-2	gamma-Chlordane	ND		ug/kg dry	2.24	2.24	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	06/15/2015 12:28	06/17/2015 16:35	AMC
76-44-8	Heptachlor	ND		ug/kg dry	2.24	2.24	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 16:35	AMC
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	2.24	2.24	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 16:35	AMC
72-43-5	Methoxychlor	ND		ug/kg dry	11.2	11.2	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 16:35	AMC
8001-35-2	Toxaphene	ND		ug/kg dry	113	113	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 12:28	06/17/2015 16:35	AMC
	Surrogate Recoveries	Result				Acceptance Range					
877-09-8	Surrogate: Tetrachloro-m-xylene	63.4 %				30-140					
2051-24-3	Surrogate: Decachlorobiphenyl	89.6 %				30-140					

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0226	0.0226	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 01:42	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0226	0.0226	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 01:42	AMC



Sample Information

Client Sample ID: SP-3 (10-12')

York Sample ID: 15F0487-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0487

#150133 200 East 135th Street Bronx, NY

Soil

June 11, 2015 9:25 am

06/12/2015

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0226	0.0226	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 01:42	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0226	0.0226	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 01:42	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0226	0.0226	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 01:42	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0226	0.0226	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 01:42	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0226	0.0226	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 01:42	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0226	0.0226	1	EPA 8082A Certifications:	06/15/2015 12:28	06/17/2015 01:42	AMC

Surrogate Recoveries

Result

Acceptance Range

877-09-8 Surrogate: Tetrachloro-m-xylene 91.6 % 30-140

2051-24-3 Surrogate: Decachlorobiphenyl 91.5 % 30-140

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	13200		mg/kg dry	6.79	6.79	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 17:30	06/17/2015 21:17	ALD
7440-36-0	Antimony	ND		mg/kg dry	0.679	0.679	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 17:30	06/17/2015 21:17	ALD
7440-38-2	Arsenic	3.37		mg/kg dry	1.36	1.36	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 17:30	06/17/2015 21:17	ALD
7440-39-3	Barium	34.2		mg/kg dry	1.36	1.36	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 17:30	06/17/2015 21:17	ALD
7440-41-7	Beryllium	ND		mg/kg dry	0.136	0.136	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 17:30	06/17/2015 21:17	ALD
7440-43-9	Cadmium	ND		mg/kg dry	0.408	0.408	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 17:30	06/17/2015 21:17	ALD
7440-70-2	Calcium	2620		mg/kg dry	0.679	6.79	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 17:30	06/17/2015 21:17	ALD
7440-47-3	Chromium	26.3		mg/kg dry	0.679	0.679	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 17:30	06/17/2015 21:17	ALD
7440-48-4	Cobalt	10.2		mg/kg dry	0.679	0.679	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 17:30	06/17/2015 21:17	ALD
7440-50-8	Copper	12.0		mg/kg dry	0.679	0.679	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 17:30	06/17/2015 21:17	ALD
7439-89-6	Iron	27600		mg/kg dry	2.72	2.72	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 17:30	06/17/2015 21:17	ALD
7439-92-1	Lead	12.8		mg/kg dry	0.408	0.408	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 17:30	06/17/2015 21:17	ALD



Sample Information

Client Sample ID: SP-3 (10-12')

York Sample ID: 15F0487-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0487

#150133 200 East 135th Street Bronx, NY

Soil

June 11, 2015 9:25 am

06/12/2015

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-95-4	Magnesium	5490		mg/kg dry	6.79	6.79	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 17:30	06/17/2015 21:17	ALD
7439-96-5	Manganese	447		mg/kg dry	0.679	0.679	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 17:30	06/17/2015 21:17	ALD
7440-02-0	Nickel	21.9		mg/kg dry	0.679	0.679	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 17:30	06/17/2015 21:17	ALD
7440-09-7	Potassium	2700		mg/kg dry	6.79	6.79	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 17:30	06/17/2015 21:17	ALD
7782-49-2	Selenium	4.18		mg/kg dry	1.36	1.36	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 17:30	06/17/2015 21:17	ALD
7440-22-4	Silver	ND		mg/kg dry	0.679	0.679	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 17:30	06/17/2015 21:17	ALD
7440-23-5	Sodium	904	B	mg/kg dry	13.6	13.6	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 17:30	06/17/2015 21:17	ALD
7440-28-0	Thallium	ND		mg/kg dry	1.36	1.36	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 17:30	06/17/2015 21:17	ALD
7440-62-2	Vanadium	33.6		mg/kg dry	1.36	1.36	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 17:30	06/17/2015 21:17	ALD
7440-66-6	Zinc	64.0		mg/kg dry	1.36	1.36	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 17:30	06/17/2015 21:17	ALD

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0408	0.0408	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	06/16/2015 07:05	06/16/2015 14:40	ALD

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	% Solids	73.6		%	0.100	0.100	1	SM 2540G Certifications: CTDOH	06/15/2015 10:49	06/15/2015 15:04	SCA

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.476	0.679	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854	06/18/2015 07:36	06/18/2015 15:08	SC

Chromium, Trivalent

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: SP-3 (10-12')

York Sample ID: 15F0487-04

<u>York Project (SDG) No.</u> 15F0487	<u>Client Project ID</u> #150133 200 East 135th Street Bronx, NY	<u>Matrix</u> Soil	<u>Collection Date/Time</u> June 11, 2015 9:25 am	<u>Date Received</u> 06/12/2015
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Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	26.3		mg/kg	0.250	0.500	1	Calculation	06/18/2015 15:14	06/18/2015 15:24	SC

Certifications:

Sample Information

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

York Sample ID: 15F0487-05

<u>York Project (SDG) No.</u> 15F0487	<u>Client Project ID</u> #150133 200 East 135th Street Bronx, NY	<u>Matrix</u> Soil	<u>Collection Date/Time</u> June 11, 2015 11:30 am	<u>Date Received</u> 06/12/2015
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Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	3.2	6.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 14:43	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	3.2	6.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 14:43	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	3.2	6.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 14:43	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	3.2	6.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 14:43	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	3.2	6.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 14:43	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	3.2	6.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 14:43	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	3.2	6.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 14:43	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	3.2	6.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 14:43	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	3.2	6.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 14:43	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	3.2	6.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 14:43	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	3.2	6.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 14:43	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	3.2	6.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 14:43	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.2	6.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 14:43	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	3.2	6.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 14:43	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	3.2	6.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 14:43	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	3.2	6.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 14:43	SS



Sample Information

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

York Sample ID: 15F0487-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0487

#150133 200 East 135th Street Bronx, NY

Soil

June 11, 2015 11:30 am

06/12/2015

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	3.2	6.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 14:43	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	3.2	6.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 14:43	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	3.2	6.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 14:43	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	3.2	6.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 14:43	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	3.2	6.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 14:43	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	64	130	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 14:43	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	3.2	6.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 14:43	SS
78-93-3	2-Butanone	ND		ug/kg dry	3.2	6.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 14:43	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	3.2	6.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 14:43	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	3.2	6.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 14:43	SS
67-64-1	Acetone	ND		ug/kg dry	6.4	13	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 14:43	SS
71-43-2	Benzene	ND		ug/kg dry	3.2	6.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 14:43	SS
108-86-1	Bromobenzene	ND		ug/kg dry	3.2	6.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 14:43	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	3.2	6.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 14:43	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	3.2	6.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 14:43	SS
75-25-2	Bromoform	ND		ug/kg dry	3.2	6.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 14:43	SS
74-83-9	Bromomethane	ND		ug/kg dry	3.2	6.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 14:43	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	3.2	6.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 14:43	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	3.2	6.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 14:43	SS
75-00-3	Chloroethane	ND		ug/kg dry	3.2	6.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 14:43	SS
67-66-3	Chloroform	ND		ug/kg dry	3.2	6.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 14:43	SS
74-87-3	Chloromethane	ND		ug/kg dry	3.2	6.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 14:43	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	3.2	6.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 14:43	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	3.2	6.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 14:43	SS



Sample Information

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

York Sample ID: 15F0487-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0487

#150133 200 East 135th Street Bronx, NY

Soil

June 11, 2015 11:30 am

06/12/2015

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
124-48-1	Dibromochloromethane	ND		ug/kg dry	3.2	6.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 14:43	SS
74-95-3	Dibromomethane	ND		ug/kg dry	3.2	6.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 14:43	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	3.2	6.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 14:43	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	3.2	6.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 14:43	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	3.2	6.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 14:43	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	3.2	6.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 14:43	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	3.2	6.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 14:43	SS
75-09-2	Methylene chloride	ND		ug/kg dry	6.4	13	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 14:43	SS
91-20-3	Naphthalene	21		ug/kg dry	3.2	13	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 14:43	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	3.2	6.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 14:43	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	3.2	6.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 14:43	SS
95-47-6	o-Xylene	ND		ug/kg dry	3.2	6.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	06/16/2015 08:17	06/16/2015 14:43	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	6.4	13	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	06/16/2015 08:17	06/16/2015 14:43	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	3.2	6.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 14:43	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	3.2	6.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 14:43	SS
100-42-5	Styrene	ND		ug/kg dry	3.2	6.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 14:43	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	3.2	6.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 14:43	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	3.2	6.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 14:43	SS
108-88-3	Toluene	ND		ug/kg dry	3.2	6.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 14:43	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	3.2	6.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 14:43	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	3.2	6.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 14:43	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	3.2	6.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 14:43	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	3.2	6.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 14:43	SS
108-05-4	Vinyl acetate	ND		ug/kg dry	3.2	6.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 14:43	SS



Sample Information

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

York Sample ID: 15F0487-05

York Project (SDG) No.

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#150133 200 East 135th Street Bronx, NY

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Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/kg dry	3.2	6.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 14:43	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	9.6	19	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 14:43	SS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	105 %			77-125						
2037-26-5	Surrogate: Toluene-d8	102 %			85-120						
460-00-4	Surrogate: p-Bromofluorobenzene	99.8 %			76-130						

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	212		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 20:06	KH
208-96-8	Acenaphthylene	93.7		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 20:06	KH
62-53-3	Aniline	ND		ug/kg dry	178	356	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 20:06	KH
120-12-7	Anthracene	430		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 20:06	KH
56-55-3	Benzo(a)anthracene	1280		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 20:06	KH
50-32-8	Benzo(a)pyrene	1140	CCV-E	ug/kg dry	44.5	88.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 20:06	KH
205-99-2	Benzo(b)fluoranthene	996		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 20:06	KH
191-24-2	Benzo(g,h,i)perylene	941	CCV-E	ug/kg dry	44.5	88.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 20:06	KH
207-08-9	Benzo(k)fluoranthene	1080		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 20:06	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 20:06	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 20:06	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 20:06	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 20:06	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 20:06	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 20:06	KH



Sample Information

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Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 20:06	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 20:06	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 20:06	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 20:06	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 20:06	KH
218-01-9	Chrysene	1230		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 20:06	KH
53-70-3	Dibenzo(a,h)anthracene	453	CCV-E	ug/kg dry	44.5	88.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 20:06	KH
132-64-9	Dibenzofuran	77.4	J	ug/kg dry	44.5	88.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 07:12	06/17/2015 20:06	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 20:06	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications: NELAC-NY10854	06/16/2015 07:12	06/17/2015 20:06	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications: NELAC-NY10854	06/16/2015 07:12	06/17/2015 20:06	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications: NELAC-NY10854	06/16/2015 07:12	06/17/2015 20:06	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 20:06	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 20:06	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 20:06	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 20:06	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 20:06	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	88.8	177	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 07:12	06/17/2015 20:06	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	88.8	177	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 20:06	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 20:06	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 20:06	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 20:06	KH
117-81-7	Bis(2-ethylhexyl)phthalate	213		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 20:06	KH



Sample Information

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

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#150133 200 East 135th Street Bronx, NY

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06/12/2015

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
206-44-0	Fluoranthene	2040		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 20:06	KH
86-73-7	Fluorene	186		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 20:06	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 20:06	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 20:06	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 20:06	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 20:06	KH
193-39-5	Indeno(1,2,3-cd)pyrene	874	CCV-E	ug/kg dry	44.5	88.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 20:06	KH
78-59-1	Isophorone	ND		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 20:06	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 07:12	06/17/2015 20:06	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 20:06	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 07:12	06/17/2015 20:06	KH
91-20-3	Naphthalene	ND		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 07:12	06/17/2015 20:06	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	88.8	177	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 20:06	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	88.8	177	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 20:06	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	88.8	177	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 20:06	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 20:06	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 20:06	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	88.8	177	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 20:06	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 20:06	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 07:12	06/17/2015 20:06	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 07:12	06/17/2015 20:06	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 20:06	KH
85-01-8	Phenanthrene	1380		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 20:06	KH



Sample Information

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Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-95-2	Phenol	ND		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 20:06	KH
129-00-0	Pyrene	1830		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 20:06	KH
110-86-1	Pyridine	ND		ug/kg dry	178	356	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 20:06	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 20:06	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 20:06	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 07:12	06/17/2015 20:06	KH
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: 2-Fluorophenol	40.1 %			10-95						
4165-62-2	Surrogate: Phenol-d5	44.0 %			10-107						
4165-60-0	Surrogate: Nitrobenzene-d5	44.8 %			10-95						
321-60-8	Surrogate: 2-Fluorobiphenyl	42.7 %			10-97						
118-79-6	Surrogate: 2,4,6-Tribromophenol	48.2 %			10-103						
1718-51-0	Surrogate: Terphenyl-d14	43.8 %			19-99						

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	94.8		ug/kg dry	1.76	1.76	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 16:50	AMC
72-55-9	4,4'-DDE	ND		ug/kg dry	1.76	1.76	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 16:50	AMC
50-29-3	4,4'-DDT	177		ug/kg dry	1.76	1.76	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 16:50	AMC
309-00-2	Aldrin	ND		ug/kg dry	1.76	1.76	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 16:50	AMC
319-84-6	alpha-BHC	ND		ug/kg dry	1.76	1.76	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 16:50	AMC
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.76	1.76	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	06/15/2015 12:28	06/17/2015 16:50	AMC
319-85-7	beta-BHC	ND		ug/kg dry	1.76	1.76	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 16:50	AMC
57-74-9	Chlordane, total	ND		ug/kg dry	70.3	70.3	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 16:50	AMC
319-86-8	delta-BHC	ND		ug/kg dry	1.76	1.76	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 16:50	AMC
60-57-1	Dieldrin	ND		ug/kg dry	1.76	1.76	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 16:50	AMC



Sample Information

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

York Sample ID: 15F0487-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0487

#150133 200 East 135th Street Bronx, NY

Soil

June 11, 2015 11:30 am

06/12/2015

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
959-98-8	Endosulfan I	ND		ug/kg dry	1.76	1.76	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 16:50	AMC
33213-65-9	Endosulfan II	ND		ug/kg dry	1.76	1.76	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 16:50	AMC
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.76	1.76	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 16:50	AMC
72-20-8	Endrin	ND		ug/kg dry	1.76	1.76	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 16:50	AMC
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.76	1.76	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 16:50	AMC
53494-70-5	Endrin ketone	ND		ug/kg dry	1.76	1.76	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 12:28	06/17/2015 16:50	AMC
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.76	1.76	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 16:50	AMC
5103-74-2	gamma-Chlordane	ND		ug/kg dry	1.76	1.76	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	06/15/2015 12:28	06/17/2015 16:50	AMC
76-44-8	Heptachlor	ND		ug/kg dry	1.76	1.76	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 16:50	AMC
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.76	1.76	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 16:50	AMC
72-43-5	Methoxychlor	ND		ug/kg dry	8.79	8.79	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 16:50	AMC
8001-35-2	Toxaphene	ND		ug/kg dry	89.0	89.0	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 12:28	06/17/2015 16:50	AMC
Surrogate Recoveries		Result	Acceptance Range								
877-09-8	Surrogate: Tetrachloro-m-xylene	69.6 %	30-140								
2051-24-3	Surrogate: Decachlorobiphenyl	95.2 %	30-140								

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0177	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 02:11	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0177	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 02:11	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0177	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 02:11	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0177	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 02:11	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0177	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 02:11	AMC
11097-69-1	Aroclor 1254	0.598		mg/kg dry	0.0177	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 02:11	AMC



Sample Information

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

York Sample ID: 15F0487-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0487

#150133 200 East 135th Street Bronx, NY

Soil

June 11, 2015 11:30 am

06/12/2015

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
11096-82-5	Aroclor 1260	0.127		mg/kg dry	0.0177	0.0177	1	EPA 8082A	06/15/2015 12:28	06/17/2015 02:11	AMC
								Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
1336-36-3	* Total PCBs	0.724		mg/kg dry	0.0177	0.0177	1	EPA 8082A	06/15/2015 12:28	06/17/2015 02:11	AMC
								Certifications:			
Surrogate Recoveries		Result			Acceptance Range						
877-09-8	Surrogate: <i>Tetrachloro-m-xylene</i>	77.8 %			30-140						
2051-24-3	Surrogate: <i>Decachlorobiphenyl</i>	82.1 %			30-140						

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	6080		mg/kg dry	5.33	5.33	1	EPA 6010C	06/16/2015 17:30	06/17/2015 21:22	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-36-0	Antimony	ND		mg/kg dry	0.533	0.533	1	EPA 6010C	06/16/2015 17:30	06/17/2015 21:22	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-38-2	Arsenic	4.11		mg/kg dry	1.07	1.07	1	EPA 6010C	06/16/2015 17:30	06/17/2015 21:22	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	Barium	336		mg/kg dry	1.07	1.07	1	EPA 6010C	06/16/2015 17:30	06/17/2015 21:22	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.107	0.107	1	EPA 6010C	06/16/2015 17:30	06/17/2015 21:22	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-43-9	Cadmium	0.855		mg/kg dry	0.320	0.320	1	EPA 6010C	06/16/2015 17:30	06/17/2015 21:22	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	Calcium	27800		mg/kg dry	0.533	5.33	1	EPA 6010C	06/16/2015 17:30	06/17/2015 21:22	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-47-3	Chromium	17.9		mg/kg dry	0.533	0.533	1	EPA 6010C	06/16/2015 17:30	06/17/2015 21:22	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	Cobalt	6.54		mg/kg dry	0.533	0.533	1	EPA 6010C	06/16/2015 17:30	06/17/2015 21:22	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-50-8	Copper	85.4		mg/kg dry	0.533	0.533	1	EPA 6010C	06/16/2015 17:30	06/17/2015 21:22	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7439-89-6	Iron	18600		mg/kg dry	2.13	2.13	1	EPA 6010C	06/16/2015 17:30	06/17/2015 21:22	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7439-92-1	Lead	278		mg/kg dry	0.320	0.320	1	EPA 6010C	06/16/2015 17:30	06/17/2015 21:22	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	Magnesium	5350		mg/kg dry	5.33	5.33	1	EPA 6010C	06/16/2015 17:30	06/17/2015 21:22	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7439-96-5	Manganese	214		mg/kg dry	0.533	0.533	1	EPA 6010C	06/16/2015 17:30	06/17/2015 21:22	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-02-0	Nickel	17.6		mg/kg dry	0.533	0.533	1	EPA 6010C	06/16/2015 17:30	06/17/2015 21:22	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		



Sample Information

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

York Sample ID: 15F0487-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0487

#150133 200 East 135th Street Bronx, NY

Soil

June 11, 2015 11:30 am

06/12/2015

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-09-7	Potassium	1240		mg/kg dry	5.33	5.33	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 17:30	06/17/2015 21:22	ALD
7782-49-2	Selenium	1.76		mg/kg dry	1.07	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 17:30	06/17/2015 21:22	ALD
7440-22-4	Silver	ND		mg/kg dry	0.533	0.533	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 17:30	06/17/2015 21:22	ALD
7440-23-5	Sodium	408	B	mg/kg dry	10.7	10.7	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 17:30	06/17/2015 21:22	ALD
7440-28-0	Thallium	ND		mg/kg dry	1.07	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 17:30	06/17/2015 21:22	ALD
7440-62-2	Vanadium	32.3		mg/kg dry	1.07	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 17:30	06/17/2015 21:22	ALD
7440-66-6	Zinc	345		mg/kg dry	1.07	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 17:30	06/17/2015 21:22	ALD

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.319		mg/kg dry	0.0320	0.0320	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	06/16/2015 07:05	06/16/2015 14:49	ALD

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	93.9		%	0.100	0.100	1	SM 2540G Certifications: CTDOH	06/15/2015 10:49	06/15/2015 15:04	SCA

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.373	0.533	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854	06/18/2015 07:36	06/18/2015 15:08	SC

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	17.9		mg/kg	0.250	0.500	1	Calculation Certifications:	06/18/2015 15:14	06/18/2015 15:24	SC



Sample Information

Client Sample ID: SP-4 (10-12')

York Sample ID: 15F0487-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0487

#150133 200 East 135th Street Bronx, NY

Soil

June 11, 2015 1:00 pm

06/12/2015

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 15:12	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 15:12	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 15:12	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 15:12	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 15:12	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 15:12	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 15:12	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 15:12	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 15:12	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 15:12	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 15:12	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 15:12	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 15:12	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 15:12	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 15:12	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 15:12	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 15:12	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 15:12	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 15:12	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 15:12	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 15:12	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	46	93	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 15:12	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 15:12	SS



Sample Information

Client Sample ID: SP-4 (10-12')

York Sample ID: 15F0487-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0487

#150133 200 East 135th Street Bronx, NY

Soil

June 11, 2015 1:00 pm

06/12/2015

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-93-3	2-Butanone	5.2	CCV-E	ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 15:12	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 15:12	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 15:12	SS
67-64-1	Acetone	19	CCV-E, SCAL-E	ug/kg dry	4.6	9.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 15:12	SS
71-43-2	Benzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 15:12	SS
108-86-1	Bromobenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 15:12	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 15:12	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 15:12	SS
75-25-2	Bromoform	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 15:12	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 15:12	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 15:12	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 15:12	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 15:12	SS
67-66-3	Chloroform	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 15:12	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 15:12	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 15:12	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 15:12	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 15:12	SS
74-95-3	Dibromomethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 15:12	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 15:12	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 15:12	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 15:12	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 15:12	SS



Sample Information

Client Sample ID: SP-4 (10-12')

York Sample ID: 15F0487-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0487

#150133 200 East 135th Street Bronx, NY

Soil

June 11, 2015 1:00 pm

06/12/2015

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 15:12	SS
75-09-2	Methylene chloride	ND		ug/kg dry	4.6	9.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 15:12	SS
91-20-3	Naphthalene	ND		ug/kg dry	2.3	9.3	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 15:12	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 15:12	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 15:12	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	06/16/2015 08:17	06/16/2015 15:12	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.6	9.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	06/16/2015 08:17	06/16/2015 15:12	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 15:12	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 15:12	SS
100-42-5	Styrene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 15:12	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 15:12	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 15:12	SS
108-88-3	Toluene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 15:12	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 15:12	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 15:12	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 15:12	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 15:12	SS
108-05-4	Vinyl acetate	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/16/2015 08:17	06/16/2015 15:12	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 15:12	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	6.9	14	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 08:17	06/16/2015 15:12	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	105 %	77-125								
2037-26-5	Surrogate: Toluene-d8	96.6 %	85-120								
460-00-4	Surrogate: p-Bromofluorobenzene	90.9 %	76-130								

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: SP-4 (10-12')

York Sample ID: 15F0487-06

<u>York Project (SDG) No.</u> 15F0487	<u>Client Project ID</u> #150133 200 East 135th Street Bronx, NY	<u>Matrix</u> Soil	<u>Collection Date/Time</u> June 11, 2015 1:00 pm	<u>Date Received</u> 06/12/2015
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Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 19:35	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 19:35	KH
62-53-3	Aniline	ND		ug/kg dry	206	412	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 19:35	KH
120-12-7	Anthracene	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 19:35	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 19:35	KH
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 19:35	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 19:35	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 19:35	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 19:35	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 19:35	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 19:35	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 19:35	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 19:35	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 19:35	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 19:35	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 19:35	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 19:35	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 19:35	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 19:35	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 19:35	KH
218-01-9	Chrysene	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 19:35	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 19:35	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 07:12	06/17/2015 19:35	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 19:35	KH



Sample Information

Client Sample ID: SP-4 (10-12')

York Sample ID: 15F0487-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0487

#150133 200 East 135th Street Bronx, NY

Soil

June 11, 2015 1:00 pm

06/12/2015

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: NELAC-NY10854	06/16/2015 07:12	06/17/2015 19:35	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: NELAC-NY10854	06/16/2015 07:12	06/17/2015 19:35	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: NELAC-NY10854	06/16/2015 07:12	06/17/2015 19:35	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 19:35	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 19:35	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 19:35	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 19:35	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 19:35	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	103	206	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 07:12	06/17/2015 19:35	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	103	206	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 19:35	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 19:35	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 19:35	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 19:35	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 19:35	KH
206-44-0	Fluoranthene	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 19:35	KH
86-73-7	Fluorene	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 19:35	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 19:35	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 19:35	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 19:35	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 19:35	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 19:35	KH
78-59-1	Isophorone	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 19:35	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 07:12	06/17/2015 19:35	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 19:35	KH



Sample Information

Client Sample ID: SP-4 (10-12')

York Sample ID: 15F0487-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0487

#150133 200 East 135th Street Bronx, NY

Soil

June 11, 2015 1:00 pm

06/12/2015

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 07:12	06/17/2015 19:35	KH
91-20-3	Naphthalene	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 07:12	06/17/2015 19:35	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	103	206	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 19:35	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	103	206	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 19:35	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	103	206	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 19:35	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 19:35	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 19:35	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	103	206	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 19:35	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 19:35	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 07:12	06/17/2015 19:35	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 07:12	06/17/2015 19:35	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 19:35	KH
85-01-8	Phenanthrene	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 19:35	KH
108-95-2	Phenol	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 19:35	KH
129-00-0	Pyrene	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 19:35	KH
110-86-1	Pyridine	ND		ug/kg dry	206	412	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 19:35	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 19:35	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 07:12	06/17/2015 19:35	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 07:12	06/17/2015 19:35	KH
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	29.2 %	10-95								
4165-62-2	Surrogate: Phenol-d5	31.0 %	10-107								
4165-60-0	Surrogate: Nitrobenzene-d5	30.2 %	10-95								
321-60-8	Surrogate: 2-Fluorobiphenyl	27.2 %	10-97								
118-79-6	Surrogate: 2,4,6-Tribromophenol	33.6 %	10-103								
1718-51-0	Surrogate: Terphenyl-d14	27.0 %	19-99								



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#150133 200 East 135th Street Bronx, NY

Soil

June 11, 2015 1:00 pm

06/12/2015

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	2.04	2.04	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 17:05	AMC
72-55-9	4,4'-DDE	ND		ug/kg dry	2.04	2.04	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 17:05	AMC
50-29-3	4,4'-DDT	ND		ug/kg dry	2.04	2.04	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 17:05	AMC
309-00-2	Aldrin	ND		ug/kg dry	2.04	2.04	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 17:05	AMC
319-84-6	alpha-BHC	ND		ug/kg dry	2.04	2.04	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 17:05	AMC
5103-71-9	alpha-Chlordane	ND		ug/kg dry	2.04	2.04	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	06/15/2015 12:28	06/17/2015 17:05	AMC
319-85-7	beta-BHC	ND		ug/kg dry	2.04	2.04	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 17:05	AMC
57-74-9	Chlordane, total	ND		ug/kg dry	81.4	81.4	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 17:05	AMC
319-86-8	delta-BHC	ND		ug/kg dry	2.04	2.04	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 17:05	AMC
60-57-1	Dieldrin	ND		ug/kg dry	2.04	2.04	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 17:05	AMC
959-98-8	Endosulfan I	ND		ug/kg dry	2.04	2.04	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 17:05	AMC
33213-65-9	Endosulfan II	ND		ug/kg dry	2.04	2.04	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 17:05	AMC
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	2.04	2.04	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 17:05	AMC
72-20-8	Endrin	ND		ug/kg dry	2.04	2.04	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 17:05	AMC
7421-93-4	Endrin aldehyde	ND		ug/kg dry	2.04	2.04	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 17:05	AMC
53494-70-5	Endrin ketone	ND		ug/kg dry	2.04	2.04	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 12:28	06/17/2015 17:05	AMC
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	2.04	2.04	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 17:05	AMC
5103-74-2	gamma-Chlordane	ND		ug/kg dry	2.04	2.04	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	06/15/2015 12:28	06/17/2015 17:05	AMC
76-44-8	Heptachlor	ND		ug/kg dry	2.04	2.04	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 17:05	AMC
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	2.04	2.04	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 17:05	AMC
72-43-5	Methoxychlor	ND		ug/kg dry	10.2	10.2	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 17:05	AMC
8001-35-2	Toxaphene	ND		ug/kg dry	103	103	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 12:28	06/17/2015 17:05	AMC
	Surrogate Recoveries	Result		Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	61.5 %		30-140							



Sample Information

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#150133 200 East 135th Street Bronx, NY

Soil

June 11, 2015 1:00 pm

06/12/2015

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2051-24-3	Surrogate: Decachlorobiphenyl	89.3 %			30-140						

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0206	0.0206	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 02:41	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0206	0.0206	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 02:41	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0206	0.0206	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 02:41	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0206	0.0206	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 02:41	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0206	0.0206	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 02:41	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0206	0.0206	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 02:41	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0206	0.0206	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	06/15/2015 12:28	06/17/2015 02:41	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0206	0.0206	1	EPA 8082A Certifications:	06/15/2015 12:28	06/17/2015 02:41	AMC

Surrogate Recoveries

Result

Acceptance Range

877-09-8	Surrogate: Tetrachloro-m-xylene	88.2 %			30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	90.0 %			30-140						

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	7840		mg/kg dry	6.17	6.17	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 17:30	06/17/2015 21:27	ALD
7440-36-0	Antimony	ND		mg/kg dry	0.617	0.617	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 17:30	06/17/2015 21:27	ALD
7440-38-2	Arsenic	ND		mg/kg dry	1.23	1.23	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 17:30	06/17/2015 21:27	ALD
7440-39-3	Barium	28.0		mg/kg dry	1.23	1.23	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 17:30	06/17/2015 21:27	ALD
7440-41-7	Beryllium	ND		mg/kg dry	0.123	0.123	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 17:30	06/17/2015 21:27	ALD
7440-43-9	Cadmium	ND		mg/kg dry	0.370	0.370	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 17:30	06/17/2015 21:27	ALD
7440-70-2	Calcium	1550		mg/kg dry	0.617	6.17	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 17:30	06/17/2015 21:27	ALD



Sample Information

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#150133 200 East 135th Street Bronx, NY

Soil

June 11, 2015 1:00 pm

06/12/2015

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-47-3	Chromium	13.8		mg/kg dry	0.617	0.617	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 17:30	06/17/2015 21:27	ALD
7440-48-4	Cobalt	4.76		mg/kg dry	0.617	0.617	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 17:30	06/17/2015 21:27	ALD
7440-50-8	Copper	10.1		mg/kg dry	0.617	0.617	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 17:30	06/17/2015 21:27	ALD
7439-89-6	Iron	11600		mg/kg dry	2.47	2.47	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 17:30	06/17/2015 21:27	ALD
7439-92-1	Lead	9.30		mg/kg dry	0.370	0.370	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 17:30	06/17/2015 21:27	ALD
7439-95-4	Magnesium	2540		mg/kg dry	6.17	6.17	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 17:30	06/17/2015 21:27	ALD
7439-96-5	Manganese	105		mg/kg dry	0.617	0.617	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 17:30	06/17/2015 21:27	ALD
7440-02-0	Nickel	11.8		mg/kg dry	0.617	0.617	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 17:30	06/17/2015 21:27	ALD
7440-09-7	Potassium	962		mg/kg dry	6.17	6.17	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 17:30	06/17/2015 21:27	ALD
7782-49-2	Selenium	1.75		mg/kg dry	1.23	1.23	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 17:30	06/17/2015 21:27	ALD
7440-22-4	Silver	ND		mg/kg dry	0.617	0.617	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/16/2015 17:30	06/17/2015 21:27	ALD
7440-23-5	Sodium	187	B	mg/kg dry	12.3	12.3	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 17:30	06/17/2015 21:27	ALD
7440-28-0	Thallium	ND		mg/kg dry	1.23	1.23	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 17:30	06/17/2015 21:27	ALD
7440-62-2	Vanadium	17.3		mg/kg dry	1.23	1.23	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 17:30	06/17/2015 21:27	ALD
7440-66-6	Zinc	31.3		mg/kg dry	1.23	1.23	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 17:30	06/17/2015 21:27	ALD

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.150		mg/kg dry	0.0370	0.0370	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	06/16/2015 07:05	06/16/2015 14:58	ALD

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

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

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York Sample ID: 15F0487-06

York Project (SDG) No.

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Matrix

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15F0487

#150133 200 East 135th Street Bronx, NY

Soil

June 11, 2015 1:00 pm

06/12/2015

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	81.1		%	0.100	0.100	1	SM 2540G	06/15/2015 10:49	06/15/2015 15:04	SCA
Certifications: CTDOH											

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.432	0.617	1	EPA 7196A	06/18/2015 07:36	06/18/2015 15:08	SC
Certifications: NJDEP,CTDOH,NELAC-NY10854											

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	13.8		mg/kg	0.250	0.500	1	Calculation	06/18/2015 15:14	06/18/2015 15:24	SC
Certifications:											

Sample Information

Client Sample ID: Field Blank

York Sample ID: 15F0487-07

York Project (SDG) No.

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15F0487

#150133 200 East 135th Street Bronx, NY

Water

June 11, 2015 3:00 pm

06/12/2015

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	06/15/2015 16:50	06/15/2015 23:11	BK
Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP											
71-55-6	1,1,1-Trichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	06/15/2015 16:50	06/15/2015 23:11	BK
Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP											
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	06/15/2015 16:50	06/15/2015 23:11	BK
Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP											
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	2.5	5.0	1	EPA 8260C	06/15/2015 16:50	06/15/2015 23:11	BK
Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP											
79-00-5	1,1,2-Trichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	06/15/2015 16:50	06/15/2015 23:11	BK
Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP											
75-34-3	1,1-Dichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	06/15/2015 16:50	06/15/2015 23:11	BK
Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP											



Sample Information

Client Sample ID: Field Blank

York Sample ID: 15F0487-07

York Project (SDG) No.

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Matrix

Collection Date/Time

Date Received

15F0487

#150133 200 East 135th Street Bronx, NY

Water

June 11, 2015 3:00 pm

06/12/2015

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-35-4	1,1-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 16:50	06/15/2015 23:11	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	06/15/2015 16:50	06/15/2015 23:11	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	06/15/2015 16:50	06/15/2015 23:11	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	06/15/2015 16:50	06/15/2015 23:11	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	06/15/2015 16:50	06/15/2015 23:11	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 16:50	06/15/2015 23:11	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 16:50	06/15/2015 23:11	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 16:50	06/15/2015 23:11	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 16:50	06/15/2015 23:11	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 16:50	06/15/2015 23:11	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 16:50	06/15/2015 23:11	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 16:50	06/15/2015 23:11	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 16:50	06/15/2015 23:11	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	06/15/2015 16:50	06/15/2015 23:11	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 16:50	06/15/2015 23:11	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	06/15/2015 16:50	06/15/2015 23:11	BK
78-93-3	2-Butanone	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 16:50	06/15/2015 23:11	BK
95-49-8	2-Chlorotoluene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 16:50	06/15/2015 23:11	BK
106-43-4	4-Chlorotoluene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 16:50	06/15/2015 23:11	BK
67-64-1	Acetone	ND		ug/L	5.0	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 16:50	06/15/2015 23:11	BK
71-43-2	Benzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 16:50	06/15/2015 23:11	BK
108-86-1	Bromobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	06/15/2015 16:50	06/15/2015 23:11	BK
74-97-5	Bromochloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	06/15/2015 16:50	06/15/2015 23:11	BK
75-27-4	Bromodichloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 16:50	06/15/2015 23:11	BK



Sample Information

Client Sample ID: Field Blank

York Sample ID: 15F0487-07

York Project (SDG) No.

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Collection Date/Time

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15F0487

#150133 200 East 135th Street Bronx, NY

Water

June 11, 2015 3:00 pm

06/12/2015

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-25-2	Bromoform	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 16:50	06/15/2015 23:11	BK
74-83-9	Bromomethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 16:50	06/15/2015 23:11	BK
56-23-5	Carbon tetrachloride	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 16:50	06/15/2015 23:11	BK
108-90-7	Chlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 16:50	06/15/2015 23:11	BK
75-00-3	Chloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 16:50	06/15/2015 23:11	BK
67-66-3	Chloroform	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 16:50	06/15/2015 23:11	BK
74-87-3	Chloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 16:50	06/15/2015 23:11	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 16:50	06/15/2015 23:11	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 16:50	06/15/2015 23:11	BK
124-48-1	Dibromochloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 16:50	06/15/2015 23:11	BK
74-95-3	Dibromomethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	06/15/2015 16:50	06/15/2015 23:11	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	06/15/2015 16:50	06/15/2015 23:11	BK
100-41-4	Ethyl Benzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 16:50	06/15/2015 23:11	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	06/15/2015 16:50	06/15/2015 23:11	BK
98-82-8	Isopropylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 16:50	06/15/2015 23:11	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 16:50	06/15/2015 23:11	BK
75-09-2	Methylene chloride	8.2	J	ug/L	2.5	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 16:50	06/15/2015 23:11	BK
91-20-3	Naphthalene	ND		ug/L	2.5	10	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	06/15/2015 16:50	06/15/2015 23:11	BK
104-51-8	n-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 16:50	06/15/2015 23:11	BK
103-65-1	n-Propylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 16:50	06/15/2015 23:11	BK
95-47-6	o-Xylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,PADEP	06/15/2015 16:50	06/15/2015 23:11	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	5.0	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,PADEP	06/15/2015 16:50	06/15/2015 23:11	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 16:50	06/15/2015 23:11	BK
135-98-8	sec-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 16:50	06/15/2015 23:11	BK



Sample Information

Client Sample ID: Field Blank

York Sample ID: 15F0487-07

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15F0487

#150133 200 East 135th Street Bronx, NY

Water

June 11, 2015 3:00 pm

06/12/2015

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-42-5	Styrene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 16:50	06/15/2015 23:11	BK
98-06-6	tert-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 16:50	06/15/2015 23:11	BK
127-18-4	Tetrachloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 16:50	06/15/2015 23:11	BK
108-88-3	Toluene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 16:50	06/15/2015 23:11	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 16:50	06/15/2015 23:11	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 16:50	06/15/2015 23:11	BK
79-01-6	Trichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 16:50	06/15/2015 23:11	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 16:50	06/15/2015 23:11	BK
108-05-4	Vinyl acetate	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/15/2015 16:50	06/15/2015 23:11	BK
75-01-4	Vinyl Chloride	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 16:50	06/15/2015 23:11	BK
1330-20-7	Xylenes, Total	ND		ug/L	7.5	15	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 16:50	06/15/2015 23:11	BK
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	109 %			65-135						
2037-26-5	Surrogate: Toluene-d8	92.0 %			86-118						
460-00-4	Surrogate: p-Bromofluorobenzene	93.6 %			81-114						

Semi-Volatiles, 8270 Target List

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
83-32-9	Acenaphthene	ND		ug/L	0.0690	0.0690	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 07:48	06/16/2015 11:01	KH
208-96-8	Acenaphthylene	ND		ug/L	0.0690	0.0690	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 07:48	06/16/2015 11:01	KH
62-53-3	Aniline	ND		ug/L	3.45	6.90	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP	06/15/2015 07:48	06/15/2015 17:06	KH
120-12-7	Anthracene	ND		ug/L	0.0690	0.0690	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 07:48	06/16/2015 11:01	KH
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0690	0.0690	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 07:48	06/16/2015 11:01	KH
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0690	0.0690	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 07:48	06/16/2015 11:01	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0690	0.0690	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 07:48	06/16/2015 11:01	KH



Sample Information

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York Sample ID: 15F0487-07

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#150133 200 East 135th Street Bronx, NY

Water

June 11, 2015 3:00 pm

06/12/2015

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0690	0.0690	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 07:48	06/16/2015 11:01	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0690	0.0690	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 07:48	06/16/2015 11:01	KH
100-51-6	Benzyl alcohol	ND		ug/L	3.45	6.90	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP	06/15/2015 07:48	06/15/2015 17:06	KH
85-68-7	Benzyl butyl phthalate	ND		ug/L	3.45	6.90	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 07:48	06/15/2015 17:06	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	3.45	6.90	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 07:48	06/15/2015 17:06	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	3.45	6.90	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 07:48	06/15/2015 17:06	KH
106-47-8	4-Chloroaniline	ND		ug/L	3.45	6.90	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 07:48	06/15/2015 17:06	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	3.45	6.90	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 07:48	06/15/2015 17:06	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	3.45	6.90	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 07:48	06/15/2015 17:06	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	3.45	6.90	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 07:48	06/15/2015 17:06	KH
91-58-7	2-Chloronaphthalene	ND		ug/L	3.45	6.90	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 07:48	06/15/2015 17:06	KH
95-57-8	2-Chlorophenol	ND		ug/L	3.45	6.90	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 07:48	06/15/2015 17:06	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	3.45	6.90	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 07:48	06/15/2015 17:06	KH
218-01-9	Chrysene	ND		ug/L	0.0690	0.0690	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 07:48	06/16/2015 11:01	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0690	0.0690	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 07:48	06/16/2015 11:01	KH
132-64-9	Dibenzofuran	ND		ug/L	3.45	6.90	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 07:48	06/15/2015 17:06	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	3.45	6.90	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 07:48	06/15/2015 17:06	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/L	3.45	6.90	1	EPA 8270D Certifications: NELAC-NY10854	06/15/2015 07:48	06/15/2015 17:06	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/L	3.45	6.90	1	EPA 8270D Certifications: NELAC-NY10854	06/15/2015 07:48	06/15/2015 17:06	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/L	3.45	6.90	1	EPA 8270D Certifications: NELAC-NY10854	06/15/2015 07:48	06/15/2015 17:06	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/L	3.45	6.90	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 07:48	06/15/2015 17:06	KH
120-83-2	2,4-Dichlorophenol	ND		ug/L	3.45	6.90	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 07:48	06/15/2015 17:06	KH
84-66-2	Diethyl phthalate	ND		ug/L	3.45	6.90	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 07:48	06/15/2015 17:06	KH
105-67-9	2,4-Dimethylphenol	ND		ug/L	3.45	6.90	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 07:48	06/15/2015 17:06	KH



Sample Information

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15F0487

#150133 200 East 135th Street Bronx, NY

Water

June 11, 2015 3:00 pm

06/12/2015

Semi-Volatiles, 8270 Target List

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
131-11-3	Dimethyl phthalate	ND		ug/L	3.45	6.90	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 07:48	06/15/2015 17:06	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	3.45	6.90	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 07:48	06/15/2015 17:06	KH
51-28-5	2,4-Dinitrophenol	ND		ug/L	3.45	6.90	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 07:48	06/15/2015 17:06	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/L	3.45	6.90	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 07:48	06/15/2015 17:06	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/L	3.45	6.90	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 07:48	06/15/2015 17:06	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	3.45	6.90	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 07:48	06/15/2015 17:06	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.690	0.690	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 07:48	06/16/2015 11:01	KH
206-44-0	Fluoranthene	ND		ug/L	0.0690	0.0690	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 07:48	06/16/2015 11:01	KH
86-73-7	Fluorene	0.345		ug/L	0.0690	0.0690	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP	06/15/2015 07:48	06/16/2015 11:01	KH
118-74-1	Hexachlorobenzene	ND		ug/L	0.0276	0.0276	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 07:48	06/16/2015 11:01	KH
87-68-3	Hexachlorobutadiene	ND		ug/L	0.690	0.690	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 07:48	06/16/2015 11:01	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	3.45	6.90	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 07:48	06/15/2015 17:06	KH
67-72-1	Hexachloroethane	ND		ug/L	0.690	0.690	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 07:48	06/16/2015 11:01	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0690	0.0690	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 07:48	06/16/2015 11:01	KH
78-59-1	Isophorone	ND		ug/L	3.45	6.90	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 07:48	06/15/2015 17:06	KH
91-57-6	2-Methylnaphthalene	ND		ug/L	3.45	6.90	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 07:48	06/15/2015 17:06	KH
95-48-7	2-Methylphenol	ND		ug/L	3.45	6.90	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 07:48	06/15/2015 17:06	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/L	3.45	6.90	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 07:48	06/15/2015 17:06	KH
91-20-3	Naphthalene	ND		ug/L	0.0690	0.0690	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 07:48	06/16/2015 11:01	KH
100-01-6	4-Nitroaniline	ND		ug/L	3.45	6.90	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 07:48	06/15/2015 17:06	KH
99-09-2	3-Nitroaniline	ND		ug/L	3.45	6.90	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 07:48	06/15/2015 17:06	KH
88-74-4	2-Nitroaniline	ND		ug/L	3.45	6.90	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 07:48	06/15/2015 17:06	KH
98-95-3	Nitrobenzene	ND		ug/L	0.345	0.345	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 07:48	06/16/2015 11:01	KH
100-02-7	4-Nitrophenol	ND		ug/L	3.45	6.90	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 07:48	06/15/2015 17:06	KH



Sample Information

Client Sample ID: Field Blank

York Sample ID: 15F0487-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0487

#150133 200 East 135th Street Bronx, NY

Water

June 11, 2015 3:00 pm

06/12/2015

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
88-75-5	2-Nitrophenol	ND		ug/L	3.45	6.90	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 07:48	06/15/2015 17:06	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	3.45	6.90	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 07:48	06/15/2015 17:06	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.690	0.690	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 07:48	06/16/2015 11:01	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	3.45	6.90	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 07:48	06/15/2015 17:06	KH
87-86-5	Pentachlorophenol	ND		ug/L	0.345	0.345	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 07:48	06/16/2015 11:01	KH
85-01-8	Phenanthrene	ND		ug/L	0.0690	0.0690	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 07:48	06/16/2015 11:01	KH
108-95-2	Phenol	ND		ug/L	3.45	6.90	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 07:48	06/15/2015 17:06	KH
129-00-0	Pyrene	ND		ug/L	0.0690	0.0690	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 07:48	06/16/2015 11:01	KH
110-86-1	Pyridine	ND		ug/L	3.45	6.90	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 07:48	06/15/2015 17:06	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	3.45	6.90	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 07:48	06/15/2015 17:06	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	3.45	6.90	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 07:48	06/15/2015 17:06	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	3.45	6.90	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 07:48	06/15/2015 17:06	KH
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: 2-Fluorophenol	19.3 %			10-65						
4165-62-2	Surrogate: Phenol-d5	14.4 %			10-49						
4165-60-0	Surrogate: Nitrobenzene-d5	39.9 %			10-96						
321-60-8	Surrogate: 2-Fluorobiphenyl	31.3 %			10-93						
118-79-6	Surrogate: 2,4,6-Tribromophenol	46.1 %			10-128						
1718-51-0	Surrogate: Terphenyl-d14	37.1 %			10-100						

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 LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00432	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:03	06/16/2015 16:31	AMC
72-55-9	4,4'-DDE	ND		ug/L	0.00432	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:03	06/16/2015 16:31	AMC
50-29-3	4,4'-DDT	ND		ug/L	0.00432	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:03	06/16/2015 16:31	AMC
309-00-2	Aldrin	ND		ug/L	0.00432	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:03	06/16/2015 16:31	AMC



Sample Information

Client Sample ID: Field Blank

York Sample ID: 15F0487-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0487

#150133 200 East 135th Street Bronx, NY

Water

June 11, 2015 3:00 pm

06/12/2015

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
319-84-6	alpha-BHC	ND		ug/L	0.00432	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:03	06/16/2015 16:31	AMC
5103-71-9	alpha-Chlordane	ND		ug/L	0.00432	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:03	06/16/2015 16:31	AMC
319-85-7	beta-BHC	ND		ug/L	0.00432	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:03	06/16/2015 16:31	AMC
57-74-9	Chlordane, total	ND		ug/L	0.0432	0.0432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:03	06/16/2015 16:31	AMC
319-86-8	delta-BHC	ND		ug/L	0.00432	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:03	06/16/2015 16:31	AMC
60-57-1	Dieldrin	ND		ug/L	0.00216	0.00216	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:03	06/16/2015 16:31	AMC
959-98-8	Endosulfan I	ND		ug/L	0.00432	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:03	06/16/2015 16:31	AMC
33213-65-9	Endosulfan II	ND		ug/L	0.00432	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:03	06/16/2015 16:31	AMC
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00432	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:03	06/16/2015 16:31	AMC
72-20-8	Endrin	ND		ug/L	0.00432	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:03	06/16/2015 16:31	AMC
7421-93-4	Endrin aldehyde	ND		ug/L	0.0108	0.0108	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:03	06/16/2015 16:31	AMC
53494-70-5	Endrin ketone	ND		ug/L	0.0108	0.0108	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:03	06/16/2015 16:31	AMC
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00432	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:03	06/16/2015 16:31	AMC
5103-74-2	gamma-Chlordane	ND		ug/L	0.0108	0.0108	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:03	06/16/2015 16:31	AMC
76-44-8	Heptachlor	ND		ug/L	0.00432	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:03	06/16/2015 16:31	AMC
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00432	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:03	06/16/2015 16:31	AMC
72-43-5	Methoxychlor	0.00581		ug/L	0.00432	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:03	06/16/2015 16:31	AMC
8001-35-2	Toxaphene	ND		ug/L	0.108	0.108	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 08:03	06/16/2015 16:31	AMC
Surrogate Recoveries		Result			Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	27.5 %	GC-Sur		30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	46.8 %	r		30-120						

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

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

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

Client Sample ID: Field Blank

York Sample ID: 15F0487-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0487

#150133 200 East 135th Street Bronx, NY

Water

June 11, 2015 3:00 pm

06/12/2015

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0541	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	06/16/2015 08:03	06/16/2015 13:50	AMC
11104-28-2	Aroclor 1221	ND		ug/L	0.0541	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	06/16/2015 08:03	06/16/2015 13:50	AMC
11141-16-5	Aroclor 1232	ND		ug/L	0.0541	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	06/16/2015 08:03	06/16/2015 13:50	AMC
53469-21-9	Aroclor 1242	ND		ug/L	0.0541	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	06/16/2015 08:03	06/16/2015 13:50	AMC
12672-29-6	Aroclor 1248	ND		ug/L	0.0541	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	06/16/2015 08:03	06/16/2015 13:50	AMC
11097-69-1	Aroclor 1254	ND		ug/L	0.0541	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	06/16/2015 08:03	06/16/2015 13:50	AMC
11096-82-5	Aroclor 1260	ND		ug/L	0.0541	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	06/16/2015 08:03	06/16/2015 13:50	AMC
1336-36-3	* Total PCBs	ND		ug/L	0.0541	0.0541	1	EPA 8082A Certifications:	06/16/2015 08:03	06/16/2015 13:50	AMC
Surrogate Recoveries		Result	Acceptance Range								
877-09-8	Surrogate: Tetrachloro-m-xylene	51.2 %	30-120								
2051-24-3	Surrogate: Decachlorobiphenyl	59.2 %	30-120								

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.050	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 01:38	06/16/2015 01:38	ALD
7440-36-0	Antimony	ND		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 01:38	06/16/2015 01:38	ALD
7440-38-2	Arsenic	ND		mg/L	0.004	0.004	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 01:38	06/16/2015 01:38	ALD
7440-39-3	Barium	ND		mg/L	0.010	0.010	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 01:38	06/16/2015 01:38	ALD
7440-41-7	Beryllium	ND		mg/L	0.001	0.001	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 01:38	06/16/2015 01:38	ALD
7440-43-9	Cadmium	ND		mg/L	0.003	0.003	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 01:38	06/16/2015 01:38	ALD
7440-70-2	Calcium	ND		mg/L	0.050	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 01:38	06/16/2015 01:38	ALD
7440-47-3	Chromium	ND		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 01:38	06/16/2015 01:38	ALD
7440-48-4	Cobalt	ND		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 01:38	06/16/2015 01:38	ALD
7440-50-8	Copper	ND		mg/L	0.003	0.003	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 01:38	06/16/2015 01:38	ALD



Sample Information

Client Sample ID: Field Blank

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York Project (SDG) No.

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15F0487

#150133 200 East 135th Street Bronx, NY

Water

June 11, 2015 3:00 pm

06/12/2015

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	0.057		mg/L	0.020	0.020	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 01:38	06/16/2015 01:38	ALD
7439-92-1	Lead	ND		mg/L	0.003	0.003	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 01:38	06/16/2015 01:38	ALD
7439-95-4	Magnesium	ND		mg/L	0.050	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 01:38	06/16/2015 01:38	ALD
7439-96-5	Manganese	ND		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 01:38	06/16/2015 01:38	ALD
7440-02-0	Nickel	ND		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 01:38	06/16/2015 01:38	ALD
7440-09-7	Potassium	0.066		mg/L	0.050	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 01:38	06/16/2015 01:38	ALD
7782-49-2	Selenium	ND		mg/L	0.010	0.010	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 01:38	06/16/2015 01:38	ALD
7440-22-4	Silver	ND		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 01:38	06/16/2015 01:38	ALD
7440-23-5	Sodium	0.137		mg/L	0.100	0.100	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 01:38	06/16/2015 01:38	ALD
7440-28-0	Thallium	0.005		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 01:38	06/16/2015 01:38	ALD
7440-62-2	Vanadium	ND		mg/L	0.010	0.010	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 01:38	06/16/2015 01:38	ALD
7440-66-6	Zinc	0.012		mg/L	0.010	0.010	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/16/2015 01:38	06/16/2015 01:38	ALD

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00020	0.00020	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/17/2015 08:14	06/17/2015 15:20	ALD

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND	HT-02	mg/L	0.0100	0.0100	1	EPA 7196A Certifications: NELAC-NY10854,CTDOH,NJDEP	06/12/2015 17:30	06/12/2015 17:30	SCA

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	ND		mg/L	0.00800	0.0100	1	Calculation Certifications:	06/17/2015 17:05	06/17/2015 17:06	SCA



Sample Information

Client Sample ID: Field Blank

York Sample ID: 15F0487-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0487

#150133 200 East 135th Street Bronx, NY

Water

June 11, 2015 3:00 pm

06/12/2015



Analytical Batch Summary

Batch ID: BF50672 **Preparation Method:** EPA 3510C **Prepared By:** KAT

YORK Sample ID	Client Sample ID	Preparation Date
15F0487-07	Field Blank	06/15/15
BF50672-BLK1	Blank	06/15/15
BF50672-BS1	LCS	06/15/15
BF50672-BSD1	LCS Dup	06/15/15

Batch ID: BF50688 **Preparation Method:** % Solids Prep **Prepared By:** KK

YORK Sample ID	Client Sample ID	Preparation Date
15F0487-01	SP-1 (0-2')	06/15/15
15F0487-02	SP-1 (10-12')	06/15/15
15F0487-03	SP-3 (0-2')	06/15/15
BF50688-DUP1	Duplicate	06/15/15

Batch ID: BF50689 **Preparation Method:** % Solids Prep **Prepared By:** KK

YORK Sample ID	Client Sample ID	Preparation Date
15F0487-04	SP-3 (10-12')	06/15/15
15F0487-05	SP-4 (0-2')	06/15/15
15F0487-06	SP-4 (10-12')	06/15/15
BF50689-DUP1	Duplicate	06/15/15

Batch ID: BF50691 **Preparation Method:** Analysis Preparation **Prepared By:** SCA

YORK Sample ID	Client Sample ID	Preparation Date
15F0487-07	Field Blank	06/12/15
BF50691-BLK1	Blank	06/12/15
BF50691-BS1	LCS	06/12/15
BF50691-DUP1	Duplicate	06/12/15
BF50691-MS1	Matrix Spike	06/12/15

Batch ID: BF50697 **Preparation Method:** EPA 3550C **Prepared By:** LEK

YORK Sample ID	Client Sample ID	Preparation Date
15F0487-01	SP-1 (0-2')	06/15/15
15F0487-01	SP-1 (0-2')	06/15/15
15F0487-02	SP-1 (10-12')	06/15/15
15F0487-02	SP-1 (10-12')	06/15/15
15F0487-03	SP-3 (0-2')	06/15/15
15F0487-03	SP-3 (0-2')	06/15/15
15F0487-04	SP-3 (10-12')	06/15/15
15F0487-04	SP-3 (10-12')	06/15/15
15F0487-05	SP-4 (0-2')	06/15/15
15F0487-05	SP-4 (0-2')	06/15/15



15F0487-06	SP-4 (10-12')	06/15/15
15F0487-06	SP-4 (10-12')	06/15/15
BF50697-BLK1	Blank	06/15/15
BF50697-BLK1	Blank	06/15/15
BF50697-BS1	LCS	06/15/15
BF50697-BS2	LCS	06/15/15
BF50697-BSD2	LCS Dup	06/15/15

Batch ID: BF50700 **Preparation Method:** EPA 3010A **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
15F0487-07	Field Blank	06/16/15
BF50700-BLK1	Blank	06/15/15
BF50700-SRM1	Reference	06/15/15
BF50700-SRM2	Reference	06/15/15

Batch ID: BF50711 **Preparation Method:** EPA 5030B **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
15F0487-07	Field Blank	06/15/15
BF50711-BLK1	Blank	06/15/15
BF50711-BS1	LCS	06/15/15
BF50711-BSD1	LCS Dup	06/15/15

Batch ID: BF50731 **Preparation Method:** EPA 7473 soil **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
15F0487-01	SP-1 (0-2')	06/16/15
15F0487-02	SP-1 (10-12')	06/16/15
15F0487-03	SP-3 (0-2')	06/16/15
15F0487-04	SP-3 (10-12')	06/16/15
15F0487-05	SP-4 (0-2')	06/16/15
15F0487-06	SP-4 (10-12')	06/16/15
BF50731-BLK1	Blank	06/16/15
BF50731-SRM1	Reference	06/16/15

Batch ID: BF50732 **Preparation Method:** EPA 3550C **Prepared By:** TB

YORK Sample ID	Client Sample ID	Preparation Date
15F0487-01	SP-1 (0-2')	06/16/15
15F0487-02	SP-1 (10-12')	06/16/15
15F0487-03	SP-3 (0-2')	06/16/15
15F0487-04	SP-3 (10-12')	06/16/15
15F0487-05	SP-4 (0-2')	06/16/15
15F0487-06	SP-4 (10-12')	06/16/15
BF50732-BLK1	Blank	06/16/15
BF50732-BS1	LCS	06/16/15
BF50732-BSD1	LCS Dup	06/16/15



Batch ID: BF50740

Preparation Method: EPA SW846-3510C Low Level

Prepared By: KAT

YORK Sample ID	Client Sample ID	Preparation Date
15F0487-07	Field Blank	06/16/15
15F0487-07	Field Blank	06/16/15
BF50740-BLK1	Blank	06/16/15
BF50740-BLK1	Blank	06/16/15
BF50740-BS1	LCS	06/16/15
BF50740-BS2	LCS	06/16/15
BF50740-BSD1	LCS Dup	06/16/15
BF50740-BSD2	LCS Dup	06/16/15

Batch ID: BF50748

Preparation Method: EPA 5035A

Prepared By: BGS

YORK Sample ID	Client Sample ID	Preparation Date
15F0487-01	SP-1 (0-2')	06/16/15
15F0487-02	SP-1 (10-12')	06/16/15
15F0487-03	SP-3 (0-2')	06/16/15
15F0487-04	SP-3 (10-12')	06/16/15
15F0487-05	SP-4 (0-2')	06/16/15
15F0487-06	SP-4 (10-12')	06/16/15
BF50748-BLK1	Blank	06/16/15
BF50748-BS1	LCS	06/16/15
BF50748-BSD1	LCS Dup	06/16/15

Batch ID: BF50771

Preparation Method: EPA 3050B

Prepared By: ALD

YORK Sample ID	Client Sample ID	Preparation Date
15F0487-01	SP-1 (0-2')	06/16/15
15F0487-02	SP-1 (10-12')	06/16/15
15F0487-03	SP-3 (0-2')	06/16/15
15F0487-04	SP-3 (10-12')	06/16/15
15F0487-05	SP-4 (0-2')	06/16/15
15F0487-06	SP-4 (10-12')	06/16/15
BF50771-BLK1	Blank	06/16/15
BF50771-SRM1	Reference	06/16/15

Batch ID: BF50815

Preparation Method: EPA 7473 water

Prepared By: ALD

YORK Sample ID	Client Sample ID	Preparation Date
15F0487-07	Field Blank	06/17/15
BF50815-BLK1	Blank	06/17/15
BF50815-DUP1	Duplicate	06/17/15
BF50815-MS1	Matrix Spike	06/17/15
BF50815-SRM1	Reference	06/17/15

Batch ID: BF50865

Preparation Method: Analysis Preparation

Prepared By: SCA

YORK Sample ID	Client Sample ID	Preparation Date
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15F0487-07

Field Blank

06/17/15

Batch ID: BF50883

Preparation Method: EPA SW846-3060

Prepared By: SC

YORK Sample ID	Client Sample ID	Preparation Date
15F0487-01	SP-1 (0-2')	06/18/15
15F0487-02	SP-1 (10-12')	06/18/15
15F0487-03	SP-3 (0-2')	06/18/15
15F0487-04	SP-3 (10-12')	06/18/15
15F0487-05	SP-4 (0-2')	06/18/15
15F0487-06	SP-4 (10-12')	06/18/15
BF50883-BLK1	Blank	06/18/15
BF50883-SRM1	Reference	06/18/15

Batch ID: BF50939

Preparation Method: Analysis Preparation

Prepared By: SC

YORK Sample ID	Client Sample ID	Preparation Date
15F0487-01	SP-1 (0-2')	06/18/15
15F0487-02	SP-1 (10-12')	06/18/15
15F0487-03	SP-3 (0-2')	06/18/15
15F0487-04	SP-3 (10-12')	06/18/15
15F0487-05	SP-4 (0-2')	06/18/15
15F0487-06	SP-4 (10-12')	06/18/15



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BF50711 - EPA 5030B

Blank (BF50711-BLK1)

Prepared & Analyzed: 06/15/2015

1,1,1,2-Tetrachloroethane	ND	5.0	ug/L								
1,1,1-Trichloroethane	ND	5.0	"								
1,1,2,2-Tetrachloroethane	ND	5.0	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"								
1,1,2-Trichloroethane	ND	5.0	"								
1,1-Dichloroethane	ND	5.0	"								
1,1-Dichloroethylene	ND	5.0	"								
1,1-Dichloropropylene	ND	5.0	"								
1,2,3-Trichlorobenzene	ND	5.0	"								
1,2,3-Trichloropropane	ND	5.0	"								
1,2,4-Trichlorobenzene	ND	5.0	"								
1,2,4-Trimethylbenzene	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	5.0	"								
1,2-Dibromoethane	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3,5-Trimethylbenzene	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
1,3-Dichloropropane	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
2,2-Dichloropropane	ND	5.0	"								
2-Butanone	ND	5.0	"								
2-Chlorotoluene	ND	5.0	"								
4-Chlorotoluene	ND	5.0	"								
Acetone	ND	10	"								
Benzene	ND	5.0	"								
Bromobenzene	ND	5.0	"								
Bromochloromethane	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								
Bromoform	ND	5.0	"								
Bromomethane	ND	5.0	"								
Carbon tetrachloride	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Chloroethane	ND	5.0	"								
Chloroform	ND	5.0	"								
Chloromethane	ND	5.0	"								
cis-1,2-Dichloroethylene	ND	5.0	"								
cis-1,3-Dichloropropylene	ND	5.0	"								
Dibromochloromethane	ND	5.0	"								
Dibromomethane	ND	5.0	"								
Dichlorodifluoromethane	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Hexachlorobutadiene	ND	5.0	"								
Isopropylbenzene	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								
Methylene chloride	ND	10	"								
Naphthalene	ND	10	"								
n-Butylbenzene	ND	5.0	"								
n-Propylbenzene	ND	5.0	"								
o-Xylene	ND	5.0	"								



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

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

Batch BF50711 - EPA 5030B

Blank (BF50711-BLK1)

Prepared & Analyzed: 06/15/2015

p- & m- Xylenes	ND	10	ug/L								
p-Isopropyltoluene	ND	5.0	"								
sec-Butylbenzene	ND	5.0	"								
Styrene	ND	5.0	"								
tert-Butylbenzene	ND	5.0	"								
Tetrachloroethylene	ND	5.0	"								
Toluene	ND	5.0	"								
trans-1,2-Dichloroethylene	ND	5.0	"								
trans-1,3-Dichloropropylene	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Trichlorofluoromethane	ND	5.0	"								
Vinyl acetate	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Xylenes, Total	ND	15	"								
Surrogate: 1,2-Dichloroethane-d4	59.7		"	50.0		119	65-135				
Surrogate: Toluene-d8	46.6		"	50.0		93.2	86-118				
Surrogate: p-Bromofluorobenzene	47.5		"	50.0		95.0	81-114				

LCS (BF50711-BS1)

Prepared & Analyzed: 06/15/2015

1,1,1,2-Tetrachloroethane	52.4		ug/L	50.0		105	70-132				
1,1,1-Trichloroethane	63.0		"	50.0		126	68-138				
1,1,2,2-Tetrachloroethane	39.2		"	50.0		78.4	73-132				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	64.8		"	50.0		130	67-136				
1,1,2-Trichloroethane	44.3		"	50.0		88.6	79-125				
1,1-Dichloroethane	56.0		"	50.0		112	78-128				
1,1-Dichloroethylene	56.7		"	50.0		113	68-134				
1,1-Dichloropropylene	55.5		"	50.0		111	74-130				
1,2,3-Trichlorobenzene	48.1		"	50.0		96.2	77-140				
1,2,3-Trichloropropane	44.2		"	50.0		88.4	79-127				
1,2,4-Trichlorobenzene	48.0		"	50.0		96.0	75-141				
1,2,4-Trimethylbenzene	49.2		"	50.0		98.5	78-127				
1,2-Dibromo-3-chloropropane	42.7		"	50.0		85.4	60-150				
1,2-Dibromoethane	47.8		"	50.0		95.6	86-123				
1,2-Dichlorobenzene	46.5		"	50.0		92.9	79-125				
1,2-Dichloroethane	62.2		"	50.0		124	69-133				
1,2-Dichloropropane	42.2		"	50.0		84.3	76-124				
1,3,5-Trimethylbenzene	48.6		"	50.0		97.3	78-128				
1,3-Dichlorobenzene	45.9		"	50.0		91.9	81-124				
1,3-Dichloropropane	44.5		"	50.0		89.1	79-125				
1,4-Dichlorobenzene	44.8		"	50.0		89.6	82-124				
2,2-Dichloropropane	59.0		"	50.0		118	61-139				
2-Butanone	63.5		"	50.0		127	44-169				
2-Chlorotoluene	48.2		"	50.0		96.3	74-130				
4-Chlorotoluene	47.7		"	50.0		95.5	75-127				
Acetone	62.2		"	50.0		124	29-163				
Benzene	52.7		"	50.0		105	72-134				
Bromobenzene	41.8		"	50.0		83.5	74-129				
Bromochloromethane	52.3		"	50.0		105	69-134				
Bromodichloromethane	50.4		"	50.0		101	76-127				
Bromoform	50.1		"	50.0		100	77-137				
Bromomethane	56.9		"	50.0		114	50-156				
Carbon tetrachloride	63.6		"	50.0		127	62-145				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BF50711 - EPA 5030B

LCS (BF50711-BS1)

Prepared & Analyzed: 06/15/2015

Chlorobenzene	51.5		ug/L	50.0		103	85-119				
Chloroethane	52.9		"	50.0		106	49-143				
Chloroform	58.4		"	50.0		117	74-131				
Chloromethane	44.3		"	50.0		88.6	43-134				
cis-1,2-Dichloroethylene	50.8		"	50.0		102	73-134				
cis-1,3-Dichloropropylene	49.1		"	50.0		98.2	77-128				
Dibromochloromethane	53.8		"	50.0		108	79-130				
Dibromomethane	50.7		"	50.0		101	78-128				
Dichlorodifluoromethane	51.6		"	50.0		103	38-139				
Ethyl Benzene	53.1		"	50.0		106	80-129				
Hexachlorobutadiene	50.0		"	50.0		99.9	72-141				
Isopropylbenzene	48.0		"	50.0		96.0	76-128				
Methyl tert-butyl ether (MTBE)	57.7		"	50.0		115	64-142				
Methylene chloride	59.3		"	50.0		119	56-142				
Naphthalene	47.8		"	50.0		95.6	79-144				
n-Butylbenzene	47.1		"	50.0		94.2	74-132				
n-Propylbenzene	47.9		"	50.0		95.8	72-135				
o-Xylene	53.7		"	50.0		107	81-123				
p- & m- Xylenes	105		"	100		105	79-130				
p-Isopropyltoluene	46.0		"	50.0		92.0	80-127				
sec-Butylbenzene	48.2		"	50.0		96.3	78-127				
Styrene	51.7		"	50.0		103	82-124				
tert-Butylbenzene	44.7		"	50.0		89.4	75-131				
Tetrachloroethylene	51.6		"	50.0		103	78-133				
Toluene	50.8		"	50.0		102	83-122				
trans-1,2-Dichloroethylene	57.2		"	50.0		114	59-145				
trans-1,3-Dichloropropylene	50.9		"	50.0		102	74-131				
Trichloroethylene	48.1		"	50.0		96.2	81-125				
Trichlorofluoromethane	60.0		"	50.0		120	61-144				
Vinyl acetate	55.9		"	50.0		112	32-165				
Vinyl Chloride	50.5		"	50.0		101	42-136				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>55.6</i>		<i>"</i>	<i>50.0</i>		<i>111</i>	<i>65-135</i>				
<i>Surrogate: Toluene-d8</i>	<i>45.0</i>		<i>"</i>	<i>50.0</i>		<i>89.9</i>	<i>86-118</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>50.8</i>		<i>"</i>	<i>50.0</i>		<i>102</i>	<i>81-114</i>				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BF50711 - EPA 5030B

LCS Dup (BF50711-BSD1)

Prepared & Analyzed: 06/15/2015

p- & m- Xylenes	111		ug/L	100		111	79-130		5.10	30	
p-Isopropyltoluene	47.2		"	50.0		94.3	80-127		2.47	30	
sec-Butylbenzene	50.9		"	50.0		102	78-127		5.53	30	
Styrene	53.6		"	50.0		107	82-124		3.76	30	
tert-Butylbenzene	47.4		"	50.0		94.9	75-131		5.97	30	
Tetrachloroethylene	53.8		"	50.0		108	78-133		4.15	30	
Toluene	53.3		"	50.0		107	83-122		4.71	30	
trans-1,2-Dichloroethylene	58.8		"	50.0		118	59-145		2.85	30	
trans-1,3-Dichloropropylene	51.1		"	50.0		102	74-131		0.314	30	
Trichloroethylene	48.8		"	50.0		97.7	81-125		1.53	30	
Trichlorofluoromethane	61.2		"	50.0		122	61-144		1.91	30	
Vinyl acetate	58.2		"	50.0		116	32-165		4.01	30	
Vinyl Chloride	50.4		"	50.0		101	42-136		0.317	30	
Surrogate: 1,2-Dichloroethane-d4	54.8		"	50.0		110	65-135				
Surrogate: Toluene-d8	46.0		"	50.0		92.1	86-118				
Surrogate: p-Bromofluorobenzene	52.1		"	50.0		104	81-114				

Batch BF50748 - EPA 5035A

Blank (BF50748-BLK1)

Prepared & Analyzed: 06/16/2015

1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg wet								
1,1,1-Trichloroethane	ND	5.0	"								
1,1,2,2-Tetrachloroethane	ND	5.0	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"								
1,1,2-Trichloroethane	ND	5.0	"								
1,1-Dichloroethane	ND	5.0	"								
1,1-Dichloroethylene	ND	5.0	"								
1,1-Dichloropropylene	ND	5.0	"								
1,2,3-Trichlorobenzene	ND	5.0	"								
1,2,3-Trichloropropane	ND	5.0	"								
1,2,4-Trichlorobenzene	ND	5.0	"								
1,2,4-Trimethylbenzene	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	5.0	"								
1,2-Dibromoethane	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3,5-Trimethylbenzene	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
1,3-Dichloropropane	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
1,4-Dioxane	ND	100	"								
2,2-Dichloropropane	ND	5.0	"								
2-Butanone	ND	5.0	"								
2-Chlorotoluene	ND	5.0	"								
4-Chlorotoluene	ND	5.0	"								
Acetone	ND	10	"								
Benzene	ND	5.0	"								
Bromobenzene	ND	5.0	"								
Bromochloromethane	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								
Bromoform	ND	5.0	"								



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

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

Batch BF50748 - EPA 5035A

Blank (BF50748-BLK1)

Prepared & Analyzed: 06/16/2015

Bromomethane	ND	5.0	ug/kg wet										
Carbon tetrachloride	ND	5.0	"										
Chlorobenzene	ND	5.0	"										
Chloroethane	ND	5.0	"										
Chloroform	ND	5.0	"										
Chloromethane	ND	5.0	"										
cis-1,2-Dichloroethylene	ND	5.0	"										
cis-1,3-Dichloropropylene	ND	5.0	"										
Dibromochloromethane	ND	5.0	"										
Dibromomethane	ND	5.0	"										
Dichlorodifluoromethane	ND	5.0	"										
Ethyl Benzene	ND	5.0	"										
Hexachlorobutadiene	ND	5.0	"										
Isopropylbenzene	ND	5.0	"										
Methyl tert-butyl ether (MTBE)	ND	5.0	"										
Methylene chloride	ND	10	"										
Naphthalene	ND	10	"										
n-Butylbenzene	ND	5.0	"										
n-Propylbenzene	ND	5.0	"										
o-Xylene	ND	5.0	"										
p- & m- Xylenes	ND	10	"										
p-Isopropyltoluene	ND	5.0	"										
sec-Butylbenzene	ND	5.0	"										
Styrene	ND	5.0	"										
tert-Butylbenzene	ND	5.0	"										
Tetrachloroethylene	ND	5.0	"										
Toluene	ND	5.0	"										
trans-1,2-Dichloroethylene	ND	5.0	"										
trans-1,3-Dichloropropylene	ND	5.0	"										
Trichloroethylene	ND	5.0	"										
Trichlorofluoromethane	ND	5.0	"										
Vinyl acetate	ND	5.0	"										
Vinyl Chloride	ND	5.0	"										
Xylenes, Total	ND	15	"										
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>50.2</i>		<i>ug/L</i>	<i>50.0</i>		<i>100</i>		<i>77-125</i>					
<i>Surrogate: Toluene-d8</i>	<i>50.0</i>		<i>"</i>	<i>50.0</i>		<i>100</i>		<i>85-120</i>					
<i>Surrogate: p-Bromofluorobenzene</i>	<i>44.6</i>		<i>"</i>	<i>50.0</i>		<i>89.2</i>		<i>76-130</i>					



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BF50748 - EPA 5035A

LCS (BF50748-BS1)

Prepared & Analyzed: 06/16/2015

1,1,1,2-Tetrachloroethane	53.3		ug/L	50.0		107	75-129			
1,1,1-Trichloroethane	55.3		"	50.0		111	71-137			
1,1,2,2-Tetrachloroethane	51.3		"	50.0		103	79-129			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	59.4		"	50.0		119	58-146			
1,1,2-Trichloroethane	52.8		"	50.0		106	83-123			
1,1-Dichloroethane	54.8		"	50.0		110	75-130			
1,1-Dichloroethylene	56.8		"	50.0		114	64-137			
1,1-Dichloropropylene	54.7		"	50.0		109	77-127			
1,2,3-Trichlorobenzene	52.4		"	50.0		105	81-140			
1,2,3-Trichloropropane	52.5		"	50.0		105	81-126			
1,2,4-Trichlorobenzene	53.3		"	50.0		107	80-141			
1,2,4-Trimethylbenzene	52.3		"	50.0		105	84-125			
1,2-Dibromo-3-chloropropane	47.2		"	50.0		94.4	74-142			
1,2-Dibromoethane	52.6		"	50.0		105	86-123			
1,2-Dichlorobenzene	53.5		"	50.0		107	85-122			
1,2-Dichloroethane	52.4		"	50.0		105	71-133			
1,2-Dichloropropane	52.1		"	50.0		104	81-122			
1,3,5-Trimethylbenzene	53.2		"	50.0		106	82-126			
1,3-Dichlorobenzene	52.7		"	50.0		105	84-124			
1,3-Dichloropropane	52.7		"	50.0		105	83-123			
1,4-Dichlorobenzene	53.4		"	50.0		107	84-124			
1,4-Dioxane	95.8		"	1000		95.8	10-228			
2,2-Dichloropropane	54.3		"	50.0		109	67-136			
2-Butanone	55.1		"	50.0		110	58-147			
2-Chlorotoluene	52.7		"	50.0		105	78-127			
4-Chlorotoluene	52.4		"	50.0		105	79-125			
Acetone	49.0		"	50.0		98.1	36-155			
Benzene	54.7		"	50.0		109	77-127			
Bromobenzene	52.3		"	50.0		105	77-129			
Bromochloromethane	56.4		"	50.0		113	74-129			
Bromodichloromethane	52.8		"	50.0		106	81-124			
Bromoform	51.4		"	50.0		103	80-136			
Bromomethane	61.2		"	50.0		122	32-177			
Carbon tetrachloride	53.9		"	50.0		108	66-143			
Chlorobenzene	53.2		"	50.0		106	86-120			
Chloroethane	57.0		"	50.0		114	51-142			
Chloroform	55.2		"	50.0		110	76-131			
Chloromethane	50.1		"	50.0		100	49-132			
cis-1,2-Dichloroethylene	56.0		"	50.0		112	74-132			
cis-1,3-Dichloropropylene	52.4		"	50.0		105	81-129			
Dibromochloromethane	52.7		"	50.0		105	10-200			
Dibromomethane	51.6		"	50.0		103	83-124			
Dichlorodifluoromethane	42.8		"	50.0		85.7	28-158			
Ethyl Benzene	52.5		"	50.0		105	84-125			
Hexachlorobutadiene	52.2		"	50.0		104	83-133			
Isopropylbenzene	54.0		"	50.0		108	81-127			
Methyl tert-butyl ether (MTBE)	53.3		"	50.0		107	74-131			
Methylene chloride	50.9		"	50.0		102	57-141			
Naphthalene	50.7		"	50.0		101	86-141			
n-Butylbenzene	52.2		"	50.0		104	80-130			
n-Propylbenzene	53.0		"	50.0		106	74-136			



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BF50748 - EPA 5035A

LCS (BF50748-BS1)

Prepared & Analyzed: 06/16/2015

o-Xylene	52.5		ug/L	50.0	105	83-123				
p- & m- Xylenes	105		"	100	105	82-128				
p-Isopropyltoluene	52.4		"	50.0	105	85-125				
sec-Butylbenzene	52.7		"	50.0	105	83-125				
Styrene	53.3		"	50.0	107	86-126				
tert-Butylbenzene	52.8		"	50.0	106	80-127				
Tetrachloroethylene	56.2		"	50.0	112	80-129				
Toluene	53.2		"	50.0	106	85-121				
trans-1,2-Dichloroethylene	55.1		"	50.0	110	72-132				
trans-1,3-Dichloropropylene	52.2		"	50.0	104	78-132				
Trichloroethylene	54.4		"	50.0	109	84-123				
Trichlorofluoromethane	52.6		"	50.0	105	62-140				
Vinyl acetate	50.0		"	50.0	100	67-136				
Vinyl Chloride	52.0		"	50.0	104	52-130				
Surrogate: 1,2-Dichloroethane-d4	48.1		"	50.0	96.3	77-125				
Surrogate: Toluene-d8	48.2		"	50.0	96.5	85-120				
Surrogate: p-Bromofluorobenzene	49.9		"	50.0	99.8	76-130				

LCS Dup (BF50748-BSD1)

Prepared & Analyzed: 06/16/2015

1,1,1,2-Tetrachloroethane	52.5		ug/L	50.0	105	75-129	1.44	30
1,1,1-Trichloroethane	54.0		"	50.0	108	71-137	2.36	30
1,1,2,2-Tetrachloroethane	48.1		"	50.0	96.2	79-129	6.42	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	57.7		"	50.0	115	58-146	2.95	30
1,1,2-Trichloroethane	50.6		"	50.0	101	83-123	4.22	30
1,1-Dichloroethane	52.4		"	50.0	105	75-130	4.42	30
1,1-Dichloroethylene	55.1		"	50.0	110	64-137	2.98	30
1,1-Dichloropropylene	52.8		"	50.0	106	77-127	3.53	30
1,2,3-Trichlorobenzene	50.9		"	50.0	102	81-140	2.88	30
1,2,3-Trichloropropane	49.5		"	50.0	99.0	81-126	5.81	30
1,2,4-Trichlorobenzene	50.0		"	50.0	100	80-141	6.37	30
1,2,4-Trimethylbenzene	50.0		"	50.0	100	84-125	4.52	30
1,2-Dibromo-3-chloropropane	49.1		"	50.0	98.2	74-142	3.95	30
1,2-Dibromoethane	51.0		"	50.0	102	86-123	3.09	30
1,2-Dichlorobenzene	51.9		"	50.0	104	85-122	3.02	30
1,2-Dichloroethane	51.6		"	50.0	103	71-133	1.56	30
1,2-Dichloropropane	50.8		"	50.0	102	81-122	2.47	30
1,3,5-Trimethylbenzene	51.0		"	50.0	102	82-126	4.24	30
1,3-Dichlorobenzene	50.0		"	50.0	100	84-124	5.35	30
1,3-Dichloropropane	50.6		"	50.0	101	83-123	4.11	30
1,4-Dichlorobenzene	51.8		"	50.0	104	84-124	3.12	30
1,4-Dioxane	877		"	1000	87.7	10-228	8.79	30
2,2-Dichloropropane	52.3		"	50.0	105	67-136	3.85	30
2-Butanone	56.6		"	50.0	113	58-147	2.58	30
2-Chlorotoluene	49.5		"	50.0	99.0	78-127	6.19	30
4-Chlorotoluene	49.6		"	50.0	99.3	79-125	5.49	30
Acetone	54.7		"	50.0	109	36-155	10.9	30
Benzene	52.7		"	50.0	105	77-127	3.67	30
Bromobenzene	49.6		"	50.0	99.3	77-129	5.16	30
Bromochloromethane	54.6		"	50.0	109	74-129	3.17	30
Bromodichloromethane	50.9		"	50.0	102	81-124	3.66	30
Bromoform	49.0		"	50.0	98.0	80-136	4.68	30
Bromomethane	61.6		"	50.0	123	32-177	0.733	30



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BF50748 - EPA 5035A

LCS Dup (BF50748-BSD1)

Prepared & Analyzed: 06/16/2015

Carbon tetrachloride	52.3		ug/L	50.0	105	66-143		3.09	30
Chlorobenzene	51.5		"	50.0	103	86-120		3.19	30
Chloroethane	56.8		"	50.0	114	51-142		0.246	30
Chloroform	53.0		"	50.0	106	76-131		3.96	30
Chloromethane	49.7		"	50.0	99.4	49-132		0.762	30
cis-1,2-Dichloroethylene	54.1		"	50.0	108	74-132		3.54	30
cis-1,3-Dichloropropylene	50.6		"	50.0	101	81-129		3.49	30
Dibromochloromethane	51.2		"	50.0	102	10-200		2.94	30
Dibromomethane	50.7		"	50.0	101	83-124		1.68	30
Dichlorodifluoromethane	40.5		"	50.0	81.0	28-158		5.69	30
Ethyl Benzene	51.5		"	50.0	103	84-125		2.00	30
Hexachlorobutadiene	50.3		"	50.0	101	83-133		3.75	30
Isopropylbenzene	50.8		"	50.0	102	81-127		6.22	30
Methyl tert-butyl ether (MTBE)	51.0		"	50.0	102	74-131		4.33	30
Methylene chloride	49.7		"	50.0	99.4	57-141		2.40	30
Naphthalene	48.1		"	50.0	96.3	86-141		5.22	30
n-Butylbenzene	49.8		"	50.0	99.6	80-130		4.59	30
n-Propylbenzene	50.5		"	50.0	101	74-136		4.81	30
o-Xylene	51.0		"	50.0	102	83-123		2.86	30
p- & m- Xylenes	103		"	100	103	82-128		1.52	30
p-Isopropyltoluene	50.3		"	50.0	101	85-125		4.11	30
sec-Butylbenzene	50.9		"	50.0	102	83-125		3.55	30
Styrene	51.3		"	50.0	103	86-126		3.86	30
tert-Butylbenzene	50.6		"	50.0	101	80-127		4.33	30
Tetrachloroethylene	54.9		"	50.0	110	80-129		2.43	30
Toluene	51.2		"	50.0	102	85-121		3.79	30
trans-1,2-Dichloroethylene	52.6		"	50.0	105	72-132		4.65	30
trans-1,3-Dichloropropylene	50.2		"	50.0	100	78-132		3.81	30
Trichloroethylene	51.9		"	50.0	104	84-123		4.74	30
Trichlorofluoromethane	51.4		"	50.0	103	62-140		2.35	30
Vinyl acetate	47.4		"	50.0	94.8	67-136		5.42	30
Vinyl Chloride	51.2		"	50.0	102	52-130		1.67	30
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>48.6</i>		<i>"</i>	<i>50.0</i>	<i>97.1</i>	<i>77-125</i>			
<i>Surrogate: Toluene-d8</i>	<i>48.6</i>		<i>"</i>	<i>50.0</i>	<i>97.3</i>	<i>85-120</i>			
<i>Surrogate: p-Bromofluorobenzene</i>	<i>48.6</i>		<i>"</i>	<i>50.0</i>	<i>97.2</i>	<i>76-130</i>			



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BF50672 - EPA 3510C

Blank (BF50672-BLK1)

Prepared: 06/15/2015 Analyzed: 06/16/2015

Acenaphthene	ND	0.0500	ug/L								
Acenaphthylene	ND	0.0500	"								
Aniline	ND	5.00	"								
Anthracene	ND	0.0500	"								
Benzo(a)anthracene	ND	0.0500	"								
Benzo(a)pyrene	ND	0.0500	"								
Benzo(b)fluoranthene	ND	0.0500	"								
Benzo(g,h,i)perylene	ND	0.0500	"								
Benzo(k)fluoranthene	ND	0.0500	"								
Benzyl alcohol	ND	5.00	"								
Benzyl butyl phthalate	ND	5.00	"								
4-Bromophenyl phenyl ether	ND	5.00	"								
4-Chloro-3-methylphenol	ND	5.00	"								
4-Chloroaniline	ND	5.00	"								
Bis(2-chloroethoxy)methane	ND	5.00	"								
Bis(2-chloroethyl)ether	ND	5.00	"								
Bis(2-chloroisopropyl)ether	ND	5.00	"								
2-Chloronaphthalene	ND	5.00	"								
2-Chlorophenol	ND	5.00	"								
4-Chlorophenyl phenyl ether	ND	5.00	"								
Chrysene	ND	0.0500	"								
Dibenzo(a,h)anthracene	ND	0.0500	"								
Dibenzofuran	ND	5.00	"								
Di-n-butyl phthalate	ND	5.00	"								
1,4-Dichlorobenzene	ND	5.00	"								
1,3-Dichlorobenzene	ND	5.00	"								
1,2-Dichlorobenzene	ND	5.00	"								
3,3'-Dichlorobenzidine	ND	5.00	"								
2,4-Dichlorophenol	ND	5.00	"								
Diethyl phthalate	ND	5.00	"								
2,4-Dimethylphenol	ND	5.00	"								
Dimethyl phthalate	ND	5.00	"								
4,6-Dinitro-2-methylphenol	ND	5.00	"								
2,4-Dinitrophenol	ND	5.00	"								
2,4-Dinitrotoluene	ND	5.00	"								
2,6-Dinitrotoluene	ND	5.00	"								
Di-n-octyl phthalate	ND	5.00	"								
Bis(2-ethylhexyl)phthalate	ND	0.500	"								
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	"								
2-Methylnaphthalene	ND	5.00	"								
2-Methylphenol	ND	5.00	"								
3- & 4-Methylphenols	ND	5.00	"								
Naphthalene	ND	0.0500	"								
4-Nitroaniline	ND	5.00	"								



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BF50672 - EPA 3510C

Blank (BF50672-BLK1)

Prepared: 06/15/2015 Analyzed: 06/16/2015

3-Nitroaniline	ND	5.00	ug/L								
2-Nitroaniline	ND	5.00	"								
Nitrobenzene	ND	0.250	"								
4-Nitrophenol	ND	5.00	"								
2-Nitrophenol	ND	5.00	"								
N-nitroso-di-n-propylamine	ND	5.00	"								
N-Nitrosodimethylamine	ND	0.500	"								
N-Nitrosodiphenylamine	ND	5.00	"								
Pentachlorophenol	ND	0.250	"								
Phenanthrene	ND	0.0500	"								
Phenol	ND	5.00	"								
Pyrene	ND	0.0500	"								
Pyridine	ND	5.00	"								
1,2,4-Trichlorobenzene	ND	5.00	"								
2,4,5-Trichlorophenol	ND	5.00	"								
2,4,6-Trichlorophenol	ND	5.00	"								
Surrogate: 2-Fluorophenol	11.0		"	75.0		14.7	10-65				
Surrogate: Phenol-d5	8.03		"	75.2		10.7	10-49				
Surrogate: Nitrobenzene-d5	17.4		"	50.1		34.6	10-96				
Surrogate: 2-Fluorobiphenyl	14.2		"	50.0		28.4	10-93				
Surrogate: 2,4,6-Tribromophenol	30.4		"	75.0		40.5	10-128				
Surrogate: Terphenyl-d14	17.9		"	50.2		35.7	10-100				

LCS (BF50672-BS1)

Prepared: 06/15/2015 Analyzed: 06/16/2015

Acenaphthene	16.6	0.0500	ug/L	50.0		33.3	24-114				
Acenaphthylene	17.2	0.0500	"	50.0		34.3	26-112				
Aniline	21.1	5.00	"	50.0		42.2	10-107				
Anthracene	16.9	0.0500	"	50.0		33.8	35-114	Low Bias			
Benzo(a)anthracene	17.6	0.0500	"	50.0		35.2	38-127	Low Bias			
Benzo(a)pyrene	25.2	0.0500	"	50.0		50.4	30-146				
Benzo(b)fluoranthene	24.5	0.0500	"	50.0		49.0	36-145				
Benzo(g,h,i)perylene	39.1	0.0500	"	50.0		78.2	10-163				
Benzo(k)fluoranthene	19.3	0.0500	"	50.0		38.5	16-149				
Benzyl alcohol	14.0	5.00	"	50.0		28.0	18-75				
Benzyl butyl phthalate	17.8	5.00	"	50.0		35.7	28-129				
4-Bromophenyl phenyl ether	17.3	5.00	"	50.0		34.6	38-116	Low Bias			
4-Chloro-3-methylphenol	17.7	5.00	"	50.0		35.4	28-101				
4-Chloroaniline	36.4	5.00	"	50.0		72.8	10-154				
Bis(2-chloroethoxy)methane	19.0	5.00	"	50.0		38.1	27-112				
Bis(2-chloroethyl)ether	16.7	5.00	"	50.0		33.5	24-114				
Bis(2-chloroisopropyl)ether	18.4	5.00	"	50.0		36.7	21-124				
2-Chloronaphthalene	16.3	5.00	"	50.0		32.7	40-96	Low Bias			
2-Chlorophenol	13.5	5.00	"	50.0		27.1	35-84	Low Bias			
4-Chlorophenyl phenyl ether	17.1	5.00	"	50.0		34.2	34-112				
Chrysene	17.9	0.0500	"	50.0		35.8	33-120				
Dibenzo(a,h)anthracene	33.1	0.0500	"	50.0		66.3	10-149				
Dibenzofuran	17.6	5.00	"	50.0		35.1	42-105	Low Bias			
Di-n-butyl phthalate	17.3	5.00	"	50.0		34.5	36-110	Low Bias			
1,4-Dichlorobenzene	13.7	5.00	"	50.0		27.5	42-82	Low Bias			
1,3-Dichlorobenzene	14.0	5.00	"	50.0		28.0	45-80	Low Bias			
1,2-Dichlorobenzene	14.4	5.00	"	50.0		28.7	42-85	Low Bias			



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BF50672 - EPA 3510C

LCS (BF50672-BS1)

Prepared: 06/15/2015 Analyzed: 06/16/2015

3,3'-Dichlorobenzidine	29.4	5.00	ug/L	50.0		58.8	25-155				
2,4-Dichlorophenol	15.8	5.00	"	50.0		31.5	43-92	Low Bias			
Diethyl phthalate	18.9	5.00	"	50.0		37.9	38-112	Low Bias			
2,4-Dimethylphenol	13.8	5.00	"	50.0		27.7	25-92				
Dimethyl phthalate	19.8	5.00	"	50.0		39.5	49-106	Low Bias			
4,6-Dinitro-2-methylphenol	25.7	5.00	"	50.0		51.3	10-135				
2,4-Dinitrophenol	34.0	5.00	"	50.0		67.9	10-149				
2,4-Dinitrotoluene	23.1	5.00	"	50.0		46.3	41-114				
2,6-Dinitrotoluene	22.9	5.00	"	50.0		45.8	49-106	Low Bias			
Di-n-octyl phthalate	19.5	5.00	"	50.0		39.1	12-149				
Bis(2-ethylhexyl)phthalate	17.1	0.500	"	50.0		34.2	10-171				
Fluoranthene	18.0	0.0500	"	50.0		36.1	33-126				
Fluorene	17.6	0.0500	"	50.0		35.2	28-117				
Hexachlorobenzene	18.7	0.0200	"	50.0		37.4	27-120				
Hexachlorobutadiene	14.3	0.500	"	50.0		28.6	25-106				
Hexachlorocyclopentadiene	12.5	5.00	"	50.0		25.1	10-99				
Hexachloroethane	14.7	0.500	"	50.0		29.4	33-84	Low Bias			
Indeno(1,2,3-cd)pyrene	32.7	0.0500	"	50.0		65.4	10-150				
Isophorone	17.1	5.00	"	50.0		34.2	29-115				
2-Methylnaphthalene	15.3	5.00	"	50.0		30.6	33-101	Low Bias			
2-Methylphenol	10.7	5.00	"	50.0		21.4	10-90				
3- & 4-Methylphenols	10.2	5.00	"	50.0		20.3	10-101				
Naphthalene	14.9	0.0500	"	50.0		29.7	30-99	Low Bias			
4-Nitroaniline	23.9	5.00	"	50.0		47.9	15-143				
3-Nitroaniline	22.8	5.00	"	50.0		45.7	29-128				
2-Nitroaniline	21.6	5.00	"	50.0		43.2	31-122				
Nitrobenzene	17.4	0.250	"	50.0		34.8	32-113				
4-Nitrophenol	8.36	5.00	"	50.0		16.7	10-112				
2-Nitrophenol	16.1	5.00	"	50.0		32.2	37-97	Low Bias			
N-nitroso-di-n-propylamine	16.2	5.00	"	50.0		32.3	36-118	Low Bias			
N-Nitrosodimethylamine	8.16	0.500	"	50.0		16.3	10-63				
N-Nitrosodiphenylamine	18.0	5.00	"	50.0		36.0	27-145				
Pentachlorophenol	16.2	0.250	"	50.0		32.5	19-127				
Phenanthrene	18.0	0.0500	"	50.0		35.9	31-112				
Phenol	6.35	5.00	"	50.0		12.7	10-37				
Pyrene	17.8	0.0500	"	50.0		35.5	42-125	Low Bias			
Pyridine	5.71	5.00	"	50.0		11.4	10-46				
1,2,4-Trichlorobenzene	14.8	5.00	"	50.0		29.5	35-91	Low Bias			
2,4,5-Trichlorophenol	18.7	5.00	"	50.0		37.4	36-112				
2,4,6-Trichlorophenol	16.6	5.00	"	50.0		33.2	41-107	Low Bias			
Surrogate: 2-Fluorophenol	10.4		"	75.0		13.9	10-65				
Surrogate: Phenol-d5	7.81		"	75.2		10.4	10-49				
Surrogate: Nitrobenzene-d5	16.6		"	50.1		33.1	10-96				
Surrogate: 2-Fluorobiphenyl	13.1		"	50.0		26.2	10-93				
Surrogate: 2,4,6-Tribromophenol	25.6		"	75.0		34.1	10-128				
Surrogate: Terphenyl-d14	15.7		"	50.2		31.3	10-100				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BF50672 - EPA 3510C

LCS Dup (BF50672-BSD1)

Prepared: 06/15/2015 Analyzed: 06/16/2015

3-Nitroaniline	24.2	5.00	ug/L	50.0		48.3	29-128		5.62	20	
2-Nitroaniline	22.8	5.00	"	50.0		45.5	31-122		5.32	20	
Nitrobenzene	18.4	0.250	"	50.0		36.8	32-113		5.59	20	
4-Nitrophenol	9.45	5.00	"	50.0		18.9	10-112		12.2	20	
2-Nitrophenol	17.4	5.00	"	50.0		34.7	37-97	Low Bias	7.71	20	
N-nitroso-di-n-propylamine	17.2	5.00	"	50.0		34.4	36-118	Low Bias	6.23	20	
N-Nitrosodimethylamine	8.56	0.500	"	50.0		17.1	10-63		4.78	20	
N-Nitrosodiphenylamine	19.3	5.00	"	50.0		38.6	27-145		6.81	20	
Pentachlorophenol	17.4	0.250	"	50.0		34.9	19-127		7.18	20	
Phenanthrene	19.0	0.0500	"	50.0		38.1	31-112		5.84	20	
Phenol	6.87	5.00	"	50.0		13.7	10-37		7.87	20	
Pyrene	18.6	0.0500	"	50.0		37.1	42-125	Low Bias	4.52	20	
Pyridine	5.59	5.00	"	50.0		11.2	10-46		2.12	20	
1,2,4-Trichlorobenzene	15.8	5.00	"	50.0		31.7	35-91	Low Bias	7.06	20	
2,4,5-Trichlorophenol	20.2	5.00	"	50.0		40.4	36-112		7.71	20	
2,4,6-Trichlorophenol	18.1	5.00	"	50.0		36.2	41-107	Low Bias	8.64	20	
Surrogate: 2-Fluorophenol	12.4		"	75.0		16.5	10-65				
Surrogate: Phenol-d5	8.61		"	75.2		11.4	10-49				
Surrogate: Nitrobenzene-d5	17.9		"	50.1		35.7	10-96				
Surrogate: 2-Fluorobiphenyl	14.6		"	50.0		29.1	10-93				
Surrogate: 2,4,6-Tribromophenol	27.0		"	75.0		36.0	10-128				
Surrogate: Terphenyl-d14	16.3		"	50.2		32.4	10-100				

Batch BF50732 - EPA 3550C

Blank (BF50732-BLK1)

Prepared: 06/16/2015 Analyzed: 06/17/2015

Acenaphthene	ND	41.7	ug/kg wet								
Acenaphthylene	ND	41.7	"								
Aniline	ND	167	"								
Anthracene	ND	41.7	"								
Benzo(a)anthracene	ND	41.7	"								
Benzo(a)pyrene	ND	41.7	"								
Benzo(b)fluoranthene	ND	41.7	"								
Benzo(g,h,i)perylene	ND	41.7	"								
Benzo(k)fluoranthene	ND	41.7	"								
Benzyl alcohol	ND	41.7	"								
Benzyl butyl phthalate	ND	41.7	"								
4-Bromophenyl phenyl ether	ND	41.7	"								
4-Chloro-3-methylphenol	ND	41.7	"								
4-Chloroaniline	ND	41.7	"								
Bis(2-chloroethoxy)methane	ND	41.7	"								
Bis(2-chloroethyl)ether	ND	41.7	"								
Bis(2-chloroisopropyl)ether	ND	41.7	"								
2-Chloronaphthalene	ND	41.7	"								
2-Chlorophenol	ND	41.7	"								
4-Chlorophenyl phenyl ether	ND	41.7	"								
Chrysene	ND	41.7	"								
Dibenzo(a,h)anthracene	ND	41.7	"								
Dibenzofuran	ND	41.7	"								
Di-n-butyl phthalate	ND	41.7	"								
1,3-Dichlorobenzene	ND	41.7	"								
1,4-Dichlorobenzene	ND	41.7	"								



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BF50732 - EPA 3550C

Blank (BF50732-BLK1)

Prepared: 06/16/2015 Analyzed: 06/17/2015

1,2-Dichlorobenzene	ND	41.7	ug/kg wet								
3,3'-Dichlorobenzidine	ND	41.7	"								
2,4-Dichlorophenol	ND	41.7	"								
Diethyl phthalate	ND	41.7	"								
2,4-Dimethylphenol	ND	41.7	"								
Dimethyl phthalate	ND	41.7	"								
4,6-Dinitro-2-methylphenol	ND	83.3	"								
2,4-Dinitrophenol	ND	83.3	"								
2,4-Dinitrotoluene	ND	41.7	"								
2,6-Dinitrotoluene	ND	41.7	"								
Di-n-octyl phthalate	ND	41.7	"								
Bis(2-ethylhexyl)phthalate	ND	41.7	"								
Fluoranthene	ND	41.7	"								
Fluorene	ND	41.7	"								
Hexachlorobenzene	ND	41.7	"								
Hexachlorobutadiene	ND	41.7	"								
Hexachlorocyclopentadiene	ND	41.7	"								
Hexachloroethane	ND	41.7	"								
Indeno(1,2,3-cd)pyrene	ND	41.7	"								
Isophorone	ND	41.7	"								
2-Methylnaphthalene	ND	41.7	"								
2-Methylphenol	ND	41.7	"								
3- & 4-Methylphenols	ND	41.7	"								
Naphthalene	ND	41.7	"								
3-Nitroaniline	ND	83.3	"								
2-Nitroaniline	ND	83.3	"								
4-Nitroaniline	ND	83.3	"								
Nitrobenzene	ND	41.7	"								
2-Nitrophenol	ND	41.7	"								
4-Nitrophenol	ND	83.3	"								
N-nitroso-di-n-propylamine	ND	41.7	"								
N-Nitrosodimethylamine	ND	41.7	"								
N-Nitrosodiphenylamine	ND	41.7	"								
Pentachlorophenol	ND	41.7	"								
Phenanthrene	ND	41.7	"								
Phenol	ND	41.7	"								
Pyrene	ND	41.7	"								
Pyridine	ND	167	"								
1,2,4-Trichlorobenzene	ND	41.7	"								
2,4,6-Trichlorophenol	ND	41.7	"								
2,4,5-Trichlorophenol	ND	41.7	"								
<i>Surrogate: 2-Fluorophenol</i>	1410		"	2510		56.4		10-95			
<i>Surrogate: Phenol-d5</i>	1470		"	2510		58.7		10-107			
<i>Surrogate: Nitrobenzene-d5</i>	944		"	1670		56.6		10-95			
<i>Surrogate: 2-Fluorobiphenyl</i>	775		"	1670		46.3		10-97			
<i>Surrogate: 2,4,6-Tribromophenol</i>	1160		"	2510		46.5		10-103			
<i>Surrogate: Terphenyl-d14</i>	742		"	1670		44.3		19-99			



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Table with 11 columns: Analyte, Result, Reporting Limit, Units, Spike Level, Source* Result, %REC, %REC Limits, Flag, RPD, RPD Limit, Flag

Batch BF50732 - EPA 3550C

LCS (BF50732-BS1)

Prepared & Analyzed: 06/16/2015

Main data table listing analytes, results, limits, units, spike levels, source results, %REC, and flags for various compounds like Acenaphthene, Aniline, Anthracene, etc.



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 BF50732 - EPA 3550C											
LCS (BF50732-BS1)						Prepared & Analyzed: 06/16/2015					
2-Nitroaniline	2040	167	ug/kg wet	1670		123	24-126				
4-Nitroaniline	1880	167	"	1670		113	14-125				
Nitrobenzene	1570	83.4	"	1670		94.0	20-121				
2-Nitrophenol	1470	83.4	"	1670		88.5	17-129				
4-Nitrophenol	263	167	"	1670		15.8	10-136				
N-nitroso-di-n-propylamine	1720	83.4	"	1670		103	21-119				
N-Nitrosodimethylamine	1540	83.4	"	1670		92.6	10-124				
N-Nitrosodiphenylamine	1900	83.4	"	1670		114	10-163				
Pentachlorophenol	1600	83.4	"	1670		96.2	10-143				
Phenanthrene	1790	83.4	"	1670		108	24-123				
Phenol	1530	83.4	"	1670		91.5	15-123				
Pyrene	1990	83.4	"	1670		119	24-132				
Pyridine	911	334	"	1670		54.7	10-92				
1,2,4-Trichlorobenzene	1490	83.4	"	1670		89.3	23-130				
2,4,6-Trichlorophenol	1880	83.4	"	1670		113	27-122				
2,4,5-Trichlorophenol	1650	83.4	"	1670		98.9	14-138				
<i>Surrogate: 2-Fluorophenol</i>	2890		"	2510		115	10-95				
<i>Surrogate: Phenol-d5</i>	2750		"	2510		110	10-107				
<i>Surrogate: Nitrobenzene-d5</i>	1950		"	1670		117	10-95				
<i>Surrogate: 2-Fluorobiphenyl</i>	1840		"	1670		110	10-97				
<i>Surrogate: 2,4,6-Tribromophenol</i>	2690		"	2510		107	30-130				
<i>Surrogate: Terphenyl-d14</i>	1920		"	1670		115	19-99				
LCS Dup (BF50732-bsd1)						Prepared & Analyzed: 06/16/2015					
Acenaphthene	1830	83.4	ug/kg wet	1670		110	17-124		7.70	30	
Acenaphthylene	1830	83.4	"	1670		110	16-124		2.44	30	
Aniline	1570	334	"	1670		94.4	10-111		13.3	30	
Anthracene	1780	83.4	"	1670		107	24-124		5.14	30	
Benzo(a)anthracene	1780	83.4	"	1670		107	25-134		3.74	30	
Benzo(a)pyrene	1920	83.4	"	1670		115	29-144		5.50	30	
Benzo(b)fluoranthene	1920	83.4	"	1670		115	20-151		7.43	30	
Benzo(g,h,i)perylene	1920	83.4	"	1670		115	10-153		3.46	30	
Benzo(k)fluoranthene	1800	83.4	"	1670		108	10-148		2.40	30	
Benzyl alcohol	1910	83.4	"	1670		115	17-128		10.1	30	
Benzyl butyl phthalate	1990	83.4	"	1670		119	10-132		8.41	30	
4-Bromophenyl phenyl ether	1790	83.4	"	1670		107	30-138		0.975	30	
4-Chloro-3-methylphenol	1940	83.4	"	1670		116	16-138		6.23	30	
4-Chloroaniline	2470	83.4	"	1670		148	10-117	High Bias	5.86	30	
Bis(2-chloroethoxy)methane	1710	83.4	"	1670		103	10-129		5.10	30	
Bis(2-chloroethyl)ether	1950	83.4	"	1670		117	14-125		17.1	30	
Bis(2-chloroisopropyl)ether	2150	83.4	"	1670		129	14-122	High Bias	14.3	30	
2-Chloronaphthalene	1900	83.4	"	1670		114	22-115		9.62	30	
2-Chlorophenol	1740	83.4	"	1670		104	25-121		13.8	30	
4-Chlorophenyl phenyl ether	1720	83.4	"	1670		103	18-132		2.15	30	
Chrysene	1580	83.4	"	1670		95.0	24-116		18.5	30	
Dibenzo(a,h)anthracene	1780	83.4	"	1670		107	17-147		1.51	30	
Dibenzofuran	1750	83.4	"	1670		105	23-123		1.33	30	
Di-n-butyl phthalate	1940	83.4	"	1670		117	19-123		5.22	30	
1,3-Dichlorobenzene	1620	83.4	"	1670		97.1	32-113		21.4	30	
1,4-Dichlorobenzene	1560	83.4	"	1670		93.3	28-111		11.9	30	
1,2-Dichlorobenzene	1650	83.4	"	1670		98.8	26-113		11.1	30	



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BF50732 - EPA 3550C

LCS Dup (BF50732-BSD1)

Prepared & Analyzed: 06/16/2015

3,3'-Dichlorobenzidine	2500	83.4	ug/kg wet	1670		150	10-147	High Bias	5.91	30	
2,4-Dichlorophenol	1730	83.4	"	1670		104	23-133		9.26	30	
Diethyl phthalate	2010	83.4	"	1670		120	23-122		2.43	30	
2,4-Dimethylphenol	1640	83.4	"	1670		98.2	15-131		3.94	30	
Dimethyl phthalate	2270	83.4	"	1670		136	28-127	High Bias	8.96	30	
4,6-Dinitro-2-methylphenol	1490	167	"	1670		89.2	10-149		0.670	30	
2,4-Dinitrophenol	1790	167	"	1670		107	10-149		3.76	30	
2,4-Dinitrotoluene	2360	83.4	"	1670		142	30-123	High Bias	8.76	30	
2,6-Dinitrotoluene	2290	83.4	"	1670		137	30-125	High Bias	0.986	30	
Di-n-octyl phthalate	1990	83.4	"	1670		119	10-132		11.9	30	
Bis(2-ethylhexyl)phthalate	1770	83.4	"	1670		106	10-141		12.0	30	
Fluoranthene	1990	83.4	"	1670		119	36-125		0.0670	30	
Fluorene	1800	83.4	"	1670		108	16-130		1.68	30	
Hexachlorobenzene	1760	83.4	"	1670		106	10-129		2.10	30	
Hexachlorobutadiene	1470	83.4	"	1670		88.1	22-153		0.363	30	
Hexachlorocyclopentadiene	1350	83.4	"	1670		80.7	10-134		8.96	30	
Hexachloroethane	1630	83.4	"	1670		97.9	20-112		19.9	30	
Indeno(1,2,3-cd)pyrene	1770	83.4	"	1670		106	10-155		0.340	30	
Isophorone	1940	83.4	"	1670		116	14-131		9.55	30	
2-Methylnaphthalene	1800	83.4	"	1670		108	16-127		13.0	30	
2-Methylphenol	1680	83.4	"	1670		101	10-146		13.6	30	
3- & 4-Methylphenols	1670	83.4	"	1670		100	20-109		8.22	30	
Naphthalene	1640	83.4	"	1670		98.4	20-121		10.7	30	
3-Nitroaniline	2190	167	"	1670		131	23-123	High Bias	0.517	30	
2-Nitroaniline	2030	167	"	1670		122	24-126		0.491	30	
4-Nitroaniline	1870	167	"	1670		112	14-125		0.356	30	
Nitrobenzene	1720	83.4	"	1670		103	20-121		9.64	30	
2-Nitrophenol	1600	83.4	"	1670		95.7	17-129		7.86	30	
4-Nitrophenol	245	167	"	1670		14.7	10-136		7.10	30	
N-nitroso-di-n-propylamine	2030	83.4	"	1670		122	21-119	High Bias	16.7	30	
N-Nitrosodimethylamine	1960	83.4	"	1670		118	10-124		23.8	30	
N-Nitrosodiphenylamine	1950	83.4	"	1670		117	10-163		2.91	30	
Pentachlorophenol	1600	83.4	"	1670		96.2	10-143		0.0415	30	
Phenanthrene	1790	83.4	"	1670		107	24-123		0.260	30	
Phenol	1700	83.4	"	1670		102	15-123		10.7	30	
Pyrene	1950	83.4	"	1670		117	24-132		1.76	30	
Pyridine	1250	334	"	1670		75.0	10-92		31.3	30	Non-dir.
1,2,4-Trichlorobenzene	1560	83.4	"	1670		93.8	23-130		4.94	30	
2,4,6-Trichlorophenol	2070	83.4	"	1670		124	27-122	High Bias	9.84	30	
2,4,5-Trichlorophenol	1890	83.4	"	1670		113	14-138		13.4	30	
Surrogate: 2-Fluorophenol	2720		"	2510		108	10-95				
Surrogate: Phenol-d5	2540		"	2510		101	10-107				
Surrogate: Nitrobenzene-d5	1740		"	1670		105	10-95				
Surrogate: 2-Fluorobiphenyl	1650		"	1670		98.4	10-97				
Surrogate: 2,4,6-Tribromophenol	2100		"	2510		83.8	30-130				
Surrogate: Terphenyl-d14	1650		"	1670		98.7	19-99				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BF50697 - EPA 3550C

Blank (BF50697-BLK1)

Prepared: 06/15/2015 Analyzed: 06/16/2015

4,4'-DDD	ND	0.330	ug/kg wet								
4,4'-DDE	ND	0.330	"								
4,4'-DDT	ND	0.330	"								
Aldrin	ND	0.330	"								
alpha-BHC	ND	0.330	"								
alpha-Chlordane	ND	0.330	"								
beta-BHC	ND	0.330	"								
Chlordane, total	ND	13.2	"								
delta-BHC	ND	0.330	"								
Dieldrin	ND	0.330	"								
Endosulfan I	ND	0.330	"								
Endosulfan II	ND	0.330	"								
Endosulfan sulfate	ND	0.330	"								
Endrin	ND	0.330	"								
Endrin aldehyde	ND	0.330	"								
Endrin ketone	ND	0.330	"								
gamma-BHC (Lindane)	ND	0.330	"								
gamma-Chlordane	ND	0.330	"								
Heptachlor	ND	0.330	"								
Heptachlor epoxide	ND	0.330	"								
Methoxychlor	ND	1.65	"								
Toxaphene	ND	16.7	"								

Surrogate: Tetrachloro-m-xylene

51.5
64.5

"
"

67.7
67.0

76.0
96.2

30-140
30-140

Surrogate: Decachlorobiphenyl

LCS (BF50697-BS1)

Prepared: 06/15/2015 Analyzed: 06/16/2015

4,4'-DDD	32.4	0.330	ug/kg wet	33.3	97.3	40-140
4,4'-DDE	27.5	0.330	"	33.3	82.6	40-140
4,4'-DDT	32.5	0.330	"	33.3	97.4	40-140
Aldrin	27.4	0.330	"	33.3	82.3	40-140
alpha-BHC	29.9	0.330	"	33.3	89.6	40-140
alpha-Chlordane	27.2	0.330	"	33.3	81.5	40-140
beta-BHC	32.3	0.330	"	33.3	96.8	40-140
delta-BHC	32.1	0.330	"	33.3	96.3	40-140
Dieldrin	29.0	0.330	"	33.3	87.1	40-140
Endosulfan I	30.1	0.330	"	33.3	90.4	40-140
Endosulfan II	29.6	0.330	"	33.3	88.7	40-140
Endosulfan sulfate	29.9	0.330	"	33.3	89.8	40-140
Endrin	31.8	0.330	"	33.3	95.3	40-140
Endrin aldehyde	28.2	0.330	"	33.3	84.6	40-140
Endrin ketone	34.4	0.330	"	33.3	103	40-140
gamma-BHC (Lindane)	30.4	0.330	"	33.3	91.1	40-140
gamma-Chlordane	27.0	0.330	"	33.3	81.0	40-140
Heptachlor	25.2	0.330	"	33.3	75.6	40-140
Heptachlor epoxide	27.0	0.330	"	33.3	80.9	40-140
Methoxychlor	31.4	1.65	"	33.3	94.3	40-140

Surrogate: Tetrachloro-m-xylene

43.8
59.2

"
"

67.7
67.0

64.8
88.3

30-140
30-140

Surrogate: Decachlorobiphenyl



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BF50740 - EPA SW846-3510C Low Level

Blank (BF50740-BLK1)

Prepared & Analyzed: 06/16/2015

4,4'-DDD	ND	0.00400	ug/L								
4,4'-DDE	ND	0.00400	"								
4,4'-DDT	ND	0.00400	"								
Aldrin	ND	0.00400	"								
alpha-BHC	ND	0.00400	"								
alpha-Chlordane	ND	0.00400	"								
beta-BHC	ND	0.00400	"								
Chlordane, total	ND	0.0400	"								
delta-BHC	ND	0.00400	"								
Dieldrin	ND	0.00200	"								
Endosulfan I	ND	0.00400	"								
Endosulfan II	ND	0.00400	"								
Endosulfan sulfate	ND	0.00400	"								
Endrin	ND	0.00400	"								
Endrin aldehyde	ND	0.0100	"								
Endrin ketone	ND	0.0100	"								
gamma-BHC (Lindane)	ND	0.00400	"								
gamma-Chlordane	ND	0.0100	"								
Heptachlor	ND	0.00400	"								
Heptachlor epoxide	ND	0.00400	"								
Methoxychlor	ND	0.00400	"								
Toxaphene	ND	0.100	"								

Surrogate: Tetrachloro-m-xylene

0.0871

"

0.203

42.9

30-120

Surrogate: Decachlorobiphenyl

0.106

"

0.201

53.0

30-120

LCS (BF50740-BS1)

Prepared & Analyzed: 06/16/2015

4,4'-DDD	0.0836	0.00400	ug/L	0.100		83.6	40-120				
4,4'-DDE	0.0602	0.00400	"	0.100		60.2	40-120				
4,4'-DDT	0.0846	0.00400	"	0.100		84.6	40-120				
Aldrin	0.0651	0.00400	"	0.100		65.1	40-120				
alpha-BHC	0.0773	0.00400	"	0.100		77.3	40-120				
alpha-Chlordane	0.0696	0.00400	"	0.100		69.6	40-120				
beta-BHC	0.0859	0.00400	"	0.100		85.9	40-120				
delta-BHC	0.0719	0.00400	"	0.100		71.9	40-120				
Dieldrin	0.0739	0.00200	"	0.100		73.9	40-120				
Endosulfan I	0.0777	0.00400	"	0.100		77.7	40-120				
Endosulfan II	0.0755	0.00400	"	0.100		75.5	40-120				
Endosulfan sulfate	0.0729	0.00400	"	0.100		72.9	40-120				
Endrin	0.0801	0.00400	"	0.100		80.1	40-120				
Endrin aldehyde	0.0675	0.0100	"	0.100		67.5	40-120				
Endrin ketone	0.0875	0.0100	"	0.100		87.5	40-120				
gamma-BHC (Lindane)	0.0793	0.00400	"	0.100		79.3	40-120				
gamma-Chlordane	0.0675	0.0100	"	0.100		67.5	40-120				
Heptachlor	0.0636	0.00400	"	0.100		63.6	40-120				
Heptachlor epoxide	0.0701	0.00400	"	0.100		70.1	40-120				
Methoxychlor	0.0788	0.00400	"	0.100		78.8	40-120				

Surrogate: Tetrachloro-m-xylene

0.106

"

0.203

52.3

30-120

Surrogate: Decachlorobiphenyl

0.113

"

0.201

56.1

30-120



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	RPD	Limit	Flag
		Limit			Result					Limit			
Batch BF50740 - EPA SW846-3510C Low Level													
LCS Dup (BF50740-BSD1)											Prepared & Analyzed: 06/16/2015		
4,4'-DDD	0.0829	0.00400	ug/L	0.100		82.9	40-120			0.869		30	
4,4'-DDE	0.0722	0.00400	"	0.100		72.2	40-120			18.1		30	
4,4'-DDT	0.0831	0.00400	"	0.100		83.1	40-120			1.75		30	
Aldrin	0.0646	0.00400	"	0.100		64.6	40-120			0.865		30	
alpha-BHC	0.0773	0.00400	"	0.100		77.3	40-120			0.0427		30	
alpha-Chlordane	0.0690	0.00400	"	0.100		69.0	40-120			0.843		30	
beta-BHC	0.0852	0.00400	"	0.100		85.2	40-120			0.732		30	
delta-BHC	0.0709	0.00400	"	0.100		70.9	40-120			1.38		30	
Dieldrin	0.0732	0.00200	"	0.100		73.2	40-120			0.916		30	
Endosulfan I	0.0769	0.00400	"	0.100		76.9	40-120			1.09		30	
Endosulfan II	0.0731	0.00400	"	0.100		73.1	40-120			3.26		30	
Endosulfan sulfate	0.0720	0.00400	"	0.100		72.0	40-120			1.24		30	
Endrin	0.0789	0.00400	"	0.100		78.9	40-120			1.45		30	
Endrin aldehyde	0.0667	0.0100	"	0.100		66.7	40-120			1.20		30	
Endrin ketone	0.0865	0.0100	"	0.100		86.5	40-120			1.20		30	
gamma-BHC (Lindane)	0.0784	0.00400	"	0.100		78.4	40-120			1.15		30	
gamma-Chlordane	0.0670	0.0100	"	0.100		67.0	40-120			0.784		30	
Heptachlor	0.0629	0.00400	"	0.100		62.9	40-120			1.13		30	
Heptachlor epoxide	0.0695	0.00400	"	0.100		69.5	40-120			0.874		30	
Methoxychlor	0.0773	0.00400	"	0.100		77.3	40-120			1.92		30	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>0.105</i>		<i>"</i>	<i>0.203</i>		<i>51.6</i>	<i>30-120</i>						
<i>Surrogate: Decachlorobiphenyl</i>	<i>0.109</i>		<i>"</i>	<i>0.201</i>		<i>54.1</i>	<i>30-120</i>						



Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BF50697 - EPA 3550C

Blank (BF50697-BLK1)

Prepared: 06/15/2015 Analyzed: 06/16/2015

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

0.0653

"

0.0677

96.6

30-140

Surrogate: Decachlorobiphenyl

0.0580

"

0.0670

86.6

30-140

LCS (BF50697-BS2)

Prepared: 06/15/2015 Analyzed: 06/16/2015

Aroclor 1016	0.319	0.0167	mg/kg wet	0.333		95.7	40-130						
Aroclor 1260	0.312	0.0167	"	0.333		93.6	40-130						
<i>Surrogate: Tetrachloro-m-xylene</i>	0.0583		"	0.0677		86.2	30-140						
<i>Surrogate: Decachlorobiphenyl</i>	0.0523		"	0.0670		78.1	30-140						

LCS Dup (BF50697-BSD2)

Prepared: 06/15/2015 Analyzed: 06/16/2015

Aroclor 1016	0.355	0.0167	mg/kg wet	0.333		107	40-130	10.8	25				
Aroclor 1260	0.344	0.0167	"	0.333		103	40-130	9.64	25				
<i>Surrogate: Tetrachloro-m-xylene</i>	0.0787		"	0.0677		116	30-140						
<i>Surrogate: Decachlorobiphenyl</i>	0.0720		"	0.0670		107	30-140						

Batch BF50740 - EPA SW846-3510C Low Level

Blank (BF50740-BLK1)

Prepared & Analyzed: 06/16/2015

Aroclor 1016	ND	0.0500	ug/L										
Aroclor 1221	ND	0.0500	"										
Aroclor 1232	ND	0.0500	"										
Aroclor 1242	ND	0.0500	"										
Aroclor 1248	ND	0.0500	"										
Aroclor 1254	ND	0.0500	"										
Aroclor 1260	ND	0.0500	"										
Total PCBs	ND	0.0500	"										
<i>Surrogate: Tetrachloro-m-xylene</i>	0.122		"	0.203		60.1	30-120						
<i>Surrogate: Decachlorobiphenyl</i>	0.167		"	0.201		83.1	30-120						



Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BF50740 - EPA SW846-3510C Low Level

LCS (BF50740-BS2)

Prepared & Analyzed: 06/16/2015

Aroclor 1016	1.05	0.0500	ug/L	1.00		105	40-120						
Aroclor 1260	1.11	0.0500	"	1.00		111	40-120						
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>0.143</i>		"	<i>0.203</i>		<i>70.4</i>	<i>30-120</i>						
<i>Surrogate: Decachlorobiphenyl</i>	<i>0.174</i>		"	<i>0.201</i>		<i>86.6</i>	<i>30-120</i>						

LCS Dup (BF50740-BSD2)

Prepared & Analyzed: 06/16/2015

Aroclor 1016	1.07	0.0500	ug/L	1.00		107	40-120			1.91	30		
Aroclor 1260	1.13	0.0500	"	1.00		113	40-120			1.68	30		
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>0.140</i>		"	<i>0.203</i>		<i>69.0</i>	<i>30-120</i>						
<i>Surrogate: Decachlorobiphenyl</i>	<i>0.177</i>		"	<i>0.201</i>		<i>88.1</i>	<i>30-120</i>						



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BF50700 - EPA 3010A

Blank (BF50700-BLK1)

Prepared & Analyzed: 06/15/2015

Aluminum	ND	0.050	mg/L								
Antimony	ND	0.005	"								
Arsenic	ND	0.004	"								
Barium	ND	0.010	"								
Beryllium	ND	0.001	"								
Cadmium	ND	0.003	"								
Calcium	ND	0.050	"								
Chromium	ND	0.005	"								
Cobalt	ND	0.005	"								
Copper	ND	0.003	"								
Iron	ND	0.020	"								
Lead	ND	0.003	"								
Magnesium	ND	0.050	"								
Manganese	ND	0.005	"								
Nickel	ND	0.005	"								
Potassium	ND	0.050	"								
Selenium	ND	0.010	"								
Silver	ND	0.005	"								
Sodium	ND	0.100	"								
Thallium	ND	0.005	"								
Vanadium	ND	0.010	"								
Zinc	ND	0.010	"								

Reference (BF50700-SRM1)

Prepared & Analyzed: 06/15/2015

Aluminum	0.454	0.050	mg/L	0.463	98.0	78.8-122
Antimony	0.361	0.005	"	0.444	81.2	80.1-117
Arsenic	0.213	0.004	"	0.243	87.6	80.7-119
Barium	1.43	0.010	"	1.39	103	84.9-115
Beryllium	0.103	0.001	"	0.107	95.9	85-115
Cadmium	0.250	0.003	"	0.291	85.8	84.9-115
Chromium	0.288	0.005	"	0.291	99.0	84.9-115
Cobalt	0.679	0.005	"	0.675	101	85-115
Copper	0.687	0.003	"	0.712	96.4	85-115
Iron	0.321	0.020	"	0.354	90.7	85-115
Lead	0.474	0.003	"	0.548	86.5	85-115
Manganese	0.463	0.005	"	0.463	100	85.1-115
Nickel	1.10	0.005	"	1.19	92.1	88.2-113
Selenium	0.534	0.010	"	0.620	86.1	85-115
Silver	0.513	0.005	"	0.520	98.7	85-115
Thallium	0.251	0.005	"	0.289	86.7	80.3-118
Vanadium	1.50	0.010	"	1.59	94.4	84.9-115
Zinc	1.18	0.010	"	1.24	95.3	84.7-115



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

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

Batch BF50700 - EPA 3010A

Reference (BF50700-SRM2)

Prepared & Analyzed: 06/15/2015

Calcium	44.8	0.050	mg/L	44.2		101	86-114						
Magnesium	91.7	0.050	"	90.7		101	86-114						
Potassium	63.0	0.050	"	60.9		103	84.9-115						
Sodium	74.4	0.100	"	73.8		101	85-115						

Batch BF50771 - EPA 3050B

Blank (BF50771-BLK1)

Prepared: 06/16/2015 Analyzed: 06/17/2015

Aluminum	ND	5.00	mg/kg wet										
Antimony	ND	0.500	"										
Arsenic	ND	1.00	"										
Barium	ND	1.00	"										
Beryllium	ND	0.100	"										
Cadmium	ND	0.300	"										
Calcium	ND	5.00	"										
Chromium	ND	0.500	"										
Cobalt	ND	0.500	"										
Copper	ND	0.500	"										
Iron	ND	2.00	"										
Lead	ND	0.300	"										
Magnesium	ND	5.00	"										
Manganese	ND	0.500	"										
Nickel	ND	0.500	"										
Potassium	ND	5.00	"										
Selenium	ND	1.00	"										
Silver	ND	0.500	"										
Sodium	13.7	10.0	"										
Thallium	ND	1.00	"										
Vanadium	ND	1.00	"										
Zinc	ND	1.00	"										



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

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

Batch BF50771 - EPA 3050B

Reference (BF50771-SRM1)

Prepared: 06/16/2015 Analyzed: 06/17/2015

Aluminum	6980	5.00	mg/kg wet	8740		79.9	41.6-158					
Antimony	110	0.500	"	108		102	23-255					
Arsenic	130	1.00	"	151		86.3	70.9-130					
Barium	270	1.00	"	262		103	73.7-126					
Beryllium	135	0.100	"	133		101	75.1-125					
Cadmium	138	0.300	"	152		90.5	73-126					
Calcium	6320	5.00	"	6400		98.8	73.9-126					
Chromium	118	0.500	"	117		101	69.7-130					
Cobalt	72.2	0.500	"	68.7		105	74.4-126					
Copper	75.7	0.500	"	68.6		110	73.2-129					
Iron	11000	2.00	"	12300		89.1	30.5-170					
Lead	218	0.300	"	254		86.0	75.6-125					
Magnesium	3300	5.00	"	3600		91.7	68.3-132					
Manganese	565	0.500	"	563		100	77.4-123					
Nickel	334	0.500	"	315		106	74.3-127					
Potassium	2760	5.00	"	3040		90.6	62.5-137					
Selenium	144	1.00	"	162		88.7	67.3-132					
Silver	43.0	0.500	"	44.3		97.0	66.4-124					
Sodium	783	10.0	"	746		105	56.8-143					
Thallium	208	1.00	"	259		80.2	69.5-131					
Vanadium	116	1.00	"	116		100	67.5-132					
Zinc	306	1.00	"	306		100	71.9-133					



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 BF50731 - EPA 7473 soil											
Blank (BF50731-BLK1)										Prepared & Analyzed: 06/16/2015	
Mercury	ND	0.0300	mg/kg wet								
Reference (BF50731-SRM1)										Prepared & Analyzed: 06/16/2015	
Mercury	4.7934		mg/kg	5.76		83.2	71.2-129				
Batch BF50815 - EPA 7473 water											
Blank (BF50815-BLK1)										Prepared & Analyzed: 06/17/2015	
Mercury	ND	0.00020	mg/L								
Duplicate (BF50815-DUP1)										Prepared & Analyzed: 06/17/2015	
*Source sample: 15F0487-07 (Field Blank)											
Mercury	ND	0.00020	mg/L		ND						20
Matrix Spike (BF50815-MS1)										Prepared & Analyzed: 06/17/2015	
*Source sample: 15F0487-07 (Field Blank)											
Mercury	0.00228		mg/kg	0.00200	ND	114	75-125				
Reference (BF50815-SRM1)										Prepared & Analyzed: 06/17/2015	
Mercury	0.00261		mg/kg	0.00230		114	61.3-135				



Miscellaneous Physical Parameters - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BF50688 - % Solids Prep

Duplicate (BF50688-DUP1)	*Source sample: 15F0487-03 (SP-3 (0-2'))							Prepared & Analyzed: 06/15/2015			
% Solids	91.4	0.100	%		94.4				3.18	20	

Batch BF50689 - % Solids Prep

Duplicate (BF50689-DUP1)	*Source sample: 15F0487-06 (SP-4 (10-12'))							Prepared & Analyzed: 06/15/2015			
% Solids	80.8	0.100	%		81.1				0.305	20	



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF50691 - Analysis Preparation											
Blank (BF50691-BLK1)										Prepared & Analyzed: 06/12/2015	
Chromium, Hexavalent	ND	0.0100	mg/L								
LCS (BF50691-BS1)										Prepared & Analyzed: 06/12/2015	
Chromium, Hexavalent	0.582	0.0100	mg/L	0.500		116	80-120				
Duplicate (BF50691-DUP1) *Source sample: 15F0487-07 (Field Blank)										Prepared & Analyzed: 06/12/2015	
Chromium, Hexavalent	ND	0.0100	mg/L		ND						20
Matrix Spike (BF50691-MS1) *Source sample: 15F0487-07 (Field Blank)										Prepared & Analyzed: 06/12/2015	
Chromium, Hexavalent	0.575	0.0100	mg/L	0.500	ND	115	75-125				
Batch BF50883 - EPA SW846-3060											
Blank (BF50883-BLK1)										Prepared & Analyzed: 06/18/2015	
Chromium, Hexavalent	ND	0.500	mg/kg wet								
Reference (BF50883-SRM1)										Prepared & Analyzed: 06/18/2015	
Chromium, Hexavalent	58.6		mg/L	97.4		60.2	26.6-178				



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
15F0487-01	SP-1 (0-2')	40mL Vial with Stir Bar-Cool 4° C
15F0487-02	SP-1 (10-12')	40mL Vial with Stir Bar-Cool 4° C
15F0487-03	SP-3 (0-2')	40mL Vial with Stir Bar-Cool 4° C
15F0487-04	SP-3 (10-12')	40mL Vial with Stir Bar-Cool 4° C
15F0487-05	SP-4 (0-2')	40mL Vial with Stir Bar-Cool 4° C
15F0487-06	SP-4 (10-12')	40mL Vial with Stir Bar-Cool 4° C
15F0487-07	Field Blank	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Notes and Definitions

SCAL-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%).
S-08	The recovery of this surrogate was outside of QC limits.
QL-03	This LCS analyte recovered outside of acceptance limits. The LCS contains approximately 70 compounds, a limited number of which may be outside acceptance windows.
M-DB	Analyte in Method Blank >MDL. Sample conc. >10 X blank conc.
M-ACCB	Analyte in CCB. Run is bracketed by acceptable CCBs.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
HT-02	NON-COMPLIANT-This sample was received outside the EPA recommended holding time.
GC-Surr	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the alternate surrogate.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <10x the blank value as artifact.

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



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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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



YORK ANALYTICAL LABORATORIES
120 RESEARCH DR.
STRATFORD, CT 06615
(203) 325-1371
FAX (203) 357-0166

Field Chain-of-Custody Record

NOTE: York's Std. Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions.

York Project No. 15F0487

YOUR INFORMATION			Report to:			Invoice To:			Your Project ID			Turn-Around Time			Report/Deliverable Type								
Company: Hydro Tech Env Corp	SAME <input checked="" type="checkbox"/>	SAME <input checked="" type="checkbox"/>	Name: <u>Muslima Ward</u>			#150133 200 East 135th Street Bronx, NY			RUSH-Same Day			Summary Report			X								
Address: 15 Ocean Ave, 2nd Floor	Name: <u>Muslima Ward</u>		Company: <u>Hydro Tech Env</u>			Purchase Order # <u>5880</u>			RUSH-Next Day			QA Report			X								
Phone.: (718) 636-0800	Address: <u>77 Arkey Drive Suite G</u>		Address: <u>Hauptpaugue, NY 11788</u>			Samples from CT <u>NY_X_NJ</u>			RUSH-Two Day			CT RCP			CT RCP DQA/DUE Pkg								
Contact: <u>Morgan Violette</u>	E-mail: <u>mviolette@hydrotechenvironmental.com</u>		E-mail: <u>mvward@hydrotechenviro.com</u>						RUSH-Three Day			NY ASP A Package											
						Standard (5-7day)						NY ASP B Package						NJDEP Reduced Deliv					

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.

Adriana Zapata
Samples Collected/Authorized By (Signature)
Adriana Zapata
Name (printed)

Matrix Codes
S - soil
Other - specify (oil, etc.)
WW - wastewater
GW - groundwater
DW - drinking water
Air-A - ambient air
Air-SV - soil vapor

Sample Identification	Date/Time Sampled	Matrix	Volatiles	Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists	OTHER:	Container Description
SP-1 (0-2')	6/11/15 @ 0920	S	8260 full TICs	8270 or 625 STARS list	8082 PCB 8081 Pest	RCRA8 PP13 list	TPH GRO	Phi.Poll.		1 TerraCore set, 1 8oz clear jar
SP-1 (10-12')	6/11/15 @ 0930	S	624 STARS list Niassam Co.	BN Only	815 Herb	TAL	TPH DRO	TCL Oganis		1 TerraCore set, 1 8oz clear jar
SP-3 (0-2')	6/11/15 @ 0915	S	BTEX Suffolk Co.	Acids Only	CT RCP	CTIL5 list	CT ETPH	TAL Me/ON		1 TerraCore set, 1 8oz clear jar
SP-3 (10-12')	6/11/15 @ 0925	S	MTBE Keflones	PAH list	App. IX	TPH 1664	NY 310-13	Full TCLP		1 TerraCore set, 1 8oz clear jar
SP-4 (0-2')	6/11/15 @ 1130	S	TCL list Oxygenates	TAGM list	Site Spec.	NI DEP list	TPH 1664	Full App IX		
SP-4 (10-12')	6/11/15 @ 1300	S	TAGM list TCLP list	CT RCP list	SELP or TCLP	Total	Air TO14A	Part 360-Routine		
Field Blank	6/11/2015	FB	CT RCP list \$24.2 Arom. only	TCL list	TCLP Pest	Dissolved	Air STARS	Part 360-Residue		
Preservation (check all applicable)										
4°C Frozen										H ₂ SO ₄
HCl										HNO ₃
MeOH										NaOH
Ascorbic Acid										Other
ZnAc										
Special Instructions										

Comments:
E designation
Please have results in 4-6 days as per Hydro Tech agreement

Signature: [Signature] Date/Time: 6/12/15 12:45pm
 Signature: [Signature] Date/Time: 6-13-15 16:28
 Signature: [Signature] Date/Time: 4.2

Temp on R



Technical Report

prepared for:

Hydro Tech Environmental (Brooklyn)

15 Ocean Avenue

Brooklyn NY, 11225

Attention: Morgan Violette

Report Date: 06/16/2015

Client Project ID: #150133 200 East 135th Street Bronx, NY

York Project (SDG) No.: 15F0434

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Hydro Tech Environmental (Brooklyn)

15 Ocean Avenue
Brooklyn NY, 11225
Attention: Morgan Violette

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 June 11, 2015 and listed below. The project was identified as your project: **#150133 200 East 135th Street Bronx, NY**.

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

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

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

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

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

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
15F0434-01	SP-2 (0-2')	Soil	06/10/2015	06/11/2015
15F0434-02	SP-2 (10-12')	Soil	06/10/2015	06/11/2015
15F0434-03	SP-5 (0-2')	Soil	06/10/2015	06/11/2015
15F0434-04	SP-5 (10-12')	Soil	06/10/2015	06/11/2015
15F0434-05	SP-6 (0-2')	Soil	06/10/2015	06/11/2015
15F0434-06	SP-6 (10-12')	Soil	06/10/2015	06/11/2015

General Notes for York Project (SDG) No.: 15F0434

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

Approved By:



Benjamin Gulizia
Laboratory Director

Date: 06/16/2015





Sample Information

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

York Sample ID: 15F0434-01

York Project (SDG) No.
15F0434

Client Project ID
#150133 200 East 135th Street Bronx, NY

Matrix
Soil

Collection Date/Time
June 10, 2015 10:55 am

Date Received
06/11/2015

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 17:26	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 17:26	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 17:26	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 17:26	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 17:26	BK
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 17:26	BK
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 17:26	BK
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 17:26	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 17:26	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 17:26	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 17:26	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 17:26	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 17:26	BK
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 17:26	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 17:26	BK
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 17:26	BK
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 17:26	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 17:26	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 17:26	BK
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 17:26	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 17:26	BK
123-91-1	1,4-Dioxane	ND		ug/kg dry	55	110	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 17:26	BK
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 17:26	BK



Sample Information

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

York Sample ID: 15F0434-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0434

#150133 200 East 135th Street Bronx, NY

Soil

June 10, 2015 10:55 am

06/11/2015

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

Table with 13 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows list various chemical compounds like 2-Butanone, 2-Chlorotoluene, etc.



Sample Information

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

York Sample ID: 15F0434-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0434

#150133 200 East 135th Street Bronx, NY

Soil

June 10, 2015 10:55 am

06/11/2015

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-09-2	Methylene chloride	ND		ug/kg dry	5.5	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 17:26	BK
91-20-3	Naphthalene	ND		ug/kg dry	2.8	11	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 17:26	BK
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 17:26	BK
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 17:26	BK
95-47-6	o-Xylene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	06/12/2015 09:12	06/12/2015 17:26	BK
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.5	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	06/12/2015 09:12	06/12/2015 17:26	BK
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 17:26	BK
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 17:26	BK
100-42-5	Styrene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 17:26	BK
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 17:26	BK
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 17:26	BK
108-88-3	Toluene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 17:26	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 17:26	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 17:26	BK
79-01-6	Trichloroethylene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 17:26	BK
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 17:26	BK
108-05-4	Vinyl acetate	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 17:26	BK
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 17:26	BK
1330-20-7	Xylenes, Total	ND		ug/kg dry	8.3	17	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 17:26	BK

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	106 %	77-125
2037-26-5	Surrogate: Toluene-d8	98.6 %	85-120
460-00-4	Surrogate: p-Bromofluorobenzene	102 %	76-130

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:



Sample Information

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

York Sample ID: 15F0434-01

<u>York Project (SDG) No.</u> 15F0434	<u>Client Project ID</u> #150133 200 East 135th Street Bronx, NY	<u>Matrix</u> Soil	<u>Collection Date/Time</u> June 10, 2015 10:55 am	<u>Date Received</u> 06/11/2015
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Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	186		ug/kg dry	45.4	90.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:02	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	45.4	90.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:02	SR
62-53-3	Aniline	ND		ug/kg dry	181	363	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:02	SR
120-12-7	Anthracene	401		ug/kg dry	45.4	90.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:02	SR
56-55-3	Benzo(a)anthracene	877		ug/kg dry	45.4	90.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:02	SR
50-32-8	Benzo(a)pyrene	651		ug/kg dry	45.4	90.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:02	SR
205-99-2	Benzo(b)fluoranthene	540		ug/kg dry	45.4	90.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:02	SR
191-24-2	Benzo(g,h,i)perylene	244		ug/kg dry	45.4	90.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:02	SR
207-08-9	Benzo(k)fluoranthene	671		ug/kg dry	45.4	90.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:02	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	45.4	90.5	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:02	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	45.4	90.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:02	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	45.4	90.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:02	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	45.4	90.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:02	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	45.4	90.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:02	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	45.4	90.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:02	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	45.4	90.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:02	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	45.4	90.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:02	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	45.4	90.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:02	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	45.4	90.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:02	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	45.4	90.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:02	SR
218-01-9	Chrysene	889		ug/kg dry	45.4	90.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:02	SR
53-70-3	Dibenzo(a,h)anthracene	137		ug/kg dry	45.4	90.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:02	SR
132-64-9	Dibenzofuran	69.5	J	ug/kg dry	45.4	90.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 06:50	06/12/2015 22:02	SR



Sample Information

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

York Sample ID: 15F0434-01

York Project (SDG) No.

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15F0434

#150133 200 East 135th Street Bronx, NY

Soil

June 10, 2015 10:55 am

06/11/2015

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	45.4	90.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:02	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	45.4	90.5	2	EPA 8270D Certifications: NELAC-NY10854	06/12/2015 06:50	06/12/2015 22:02	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	45.4	90.5	2	EPA 8270D Certifications: NELAC-NY10854	06/12/2015 06:50	06/12/2015 22:02	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	45.4	90.5	2	EPA 8270D Certifications: NELAC-NY10854	06/12/2015 06:50	06/12/2015 22:02	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	45.4	90.5	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:02	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	45.4	90.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:02	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	45.4	90.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:02	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	45.4	90.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:02	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	45.4	90.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:02	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	90.5	181	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 06:50	06/12/2015 22:02	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	90.5	181	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:02	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	45.4	90.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:02	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	45.4	90.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:02	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	45.4	90.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:02	SR
117-81-7	Bis(2-ethylhexyl)phthalate	73.1	J	ug/kg dry	45.4	90.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:02	SR
206-44-0	Fluoranthene	1750		ug/kg dry	45.4	90.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:02	SR
86-73-7	Fluorene	147		ug/kg dry	45.4	90.5	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:02	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	45.4	90.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:02	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	45.4	90.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:02	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	45.4	90.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:02	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	45.4	90.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:02	SR
193-39-5	Indeno(1,2,3-cd)pyrene	271		ug/kg dry	45.4	90.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:02	SR
78-59-1	Isophorone	ND		ug/kg dry	45.4	90.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:02	SR



Sample Information

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

York Sample ID: 15F0434-01

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15F0434

#150133 200 East 135th Street Bronx, NY

Soil

June 10, 2015 10:55 am

06/11/2015

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	45.4	90.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 06:50	06/12/2015 22:02	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	45.4	90.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:02	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	45.4	90.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 06:50	06/12/2015 22:02	SR
91-20-3	Naphthalene	53.6	J	ug/kg dry	45.4	90.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 06:50	06/12/2015 22:02	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	90.5	181	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:02	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	90.5	181	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:02	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	90.5	181	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:02	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	45.4	90.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:02	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	45.4	90.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:02	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	90.5	181	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:02	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	45.4	90.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:02	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	45.4	90.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 06:50	06/12/2015 22:02	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	45.4	90.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 06:50	06/12/2015 22:02	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	45.4	90.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:02	SR
85-01-8	Phenanthrene	1410		ug/kg dry	45.4	90.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:02	SR
108-95-2	Phenol	ND		ug/kg dry	45.4	90.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:02	SR
129-00-0	Pyrene	1700		ug/kg dry	45.4	90.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:02	SR
110-86-1	Pyridine	ND		ug/kg dry	181	363	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:02	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	45.4	90.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:02	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	45.4	90.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:02	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	45.4	90.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 06:50	06/12/2015 22:02	SR

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	Surrogate: 2-Fluorophenol	30.1 %	10-95
4165-62-2	Surrogate: Phenol-d5	36.1 %	10-107
4165-60-0	Surrogate: Nitrobenzene-d5	26.3 %	10-95



Sample Information

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

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15F0434

#150133 200 East 135th Street Bronx, NY

Soil

June 10, 2015 10:55 am

06/11/2015

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
321-60-8	Surrogate: 2-Fluorobiphenyl	31.5 %			10-97						
118-79-6	Surrogate: 2,4,6-Tribromophenol	34.6 %			10-103						
1718-51-0	Surrogate: Terphenyl-d14	34.7 %			19-99						

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.79	1.79	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 12:58	AMC
72-55-9	4,4'-DDE	ND		ug/kg dry	1.79	1.79	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 12:58	AMC
50-29-3	4,4'-DDT	ND		ug/kg dry	1.79	1.79	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 12:58	AMC
309-00-2	Aldrin	ND		ug/kg dry	1.79	1.79	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 12:58	AMC
319-84-6	alpha-BHC	ND		ug/kg dry	1.79	1.79	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 12:58	AMC
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.79	1.79	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	06/12/2015 11:25	06/15/2015 12:58	AMC
319-85-7	beta-BHC	ND		ug/kg dry	1.79	1.79	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 12:58	AMC
57-74-9	Chlordane, total	ND		ug/kg dry	71.7	71.7	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 12:58	AMC
319-86-8	delta-BHC	ND		ug/kg dry	1.79	1.79	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 12:58	AMC
60-57-1	Dieldrin	ND		ug/kg dry	1.79	1.79	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 12:58	AMC
959-98-8	Endosulfan I	ND		ug/kg dry	1.79	1.79	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 12:58	AMC
33213-65-9	Endosulfan II	ND		ug/kg dry	1.79	1.79	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 12:58	AMC
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.79	1.79	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 12:58	AMC
72-20-8	Endrin	ND		ug/kg dry	1.79	1.79	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 12:58	AMC
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.79	1.79	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 12:58	AMC
53494-70-5	Endrin ketone	ND		ug/kg dry	1.79	1.79	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 11:25	06/15/2015 12:58	AMC
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.79	1.79	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 12:58	AMC
5103-74-2	gamma-Chlordane	ND		ug/kg dry	1.79	1.79	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	06/12/2015 11:25	06/15/2015 12:58	AMC
76-44-8	Heptachlor	ND		ug/kg dry	1.79	1.79	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 12:58	AMC



Sample Information

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Client Project ID

Matrix

Collection Date/Time

Date Received

15F0434

#150133 200 East 135th Street Bronx, NY

Soil

June 10, 2015 10:55 am

06/11/2015

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.79	1.79	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 12:58	AMC
72-43-5	Methoxychlor	ND		ug/kg dry	8.96	8.96	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 12:58	AMC
8001-35-2	Toxaphene	ND		ug/kg dry	90.7	90.7	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 11:25	06/15/2015 12:58	AMC
Surrogate Recoveries		Result	Acceptance Range								
877-09-8	Surrogate: Tetrachloro-m-xylene	68.3 %	30-140								
2051-24-3	Surrogate: Decachlorobiphenyl	84.3 %	30-140								

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0181	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 13:49	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0181	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 13:49	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0181	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 13:49	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0181	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 13:49	AMC
12672-29-6	Aroclor 1248	0.117		mg/kg dry	0.0181	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 13:49	AMC
11097-69-1	Aroclor 1254	0.250		mg/kg dry	0.0181	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 13:49	AMC
11096-82-5	Aroclor 1260	0.0673		mg/kg dry	0.0181	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 13:49	AMC
1336-36-3	* Total PCBs	0.434		mg/kg dry	0.0181	0.0181	1	EPA 8082A Certifications:	06/12/2015 11:25	06/15/2015 13:49	AMC
Surrogate Recoveries		Result	Acceptance Range								
877-09-8	Surrogate: Tetrachloro-m-xylene	74.4 %	30-140								
2051-24-3	Surrogate: Decachlorobiphenyl	72.6 %	30-140								

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	9060		mg/kg dry	5.43	5.43	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 12:28	06/15/2015 20:02	ALD
7440-36-0	Antimony	1.10		mg/kg dry	0.543	0.543	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/15/2015 20:02	ALD



Sample Information

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

York Sample ID: 15F0434-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0434

#150133 200 East 135th Street Bronx, NY

Soil

June 10, 2015 10:55 am

06/11/2015

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	3.56		mg/kg dry	1.09	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/15/2015 20:02	ALD
7440-39-3	Barium	245		mg/kg dry	1.09	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/15/2015 20:02	ALD
7440-41-7	Beryllium	ND		mg/kg dry	0.109	0.109	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 12:28	06/15/2015 20:02	ALD
7440-43-9	Cadmium	0.642		mg/kg dry	0.326	0.326	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/15/2015 20:02	ALD
7440-70-2	Calcium	20500		mg/kg dry	0.543	5.43	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 12:28	06/15/2015 20:02	ALD
7440-47-3	Chromium	24.4		mg/kg dry	0.543	0.543	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/15/2015 20:02	ALD
7440-48-4	Cobalt	8.29		mg/kg dry	0.543	0.543	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 12:28	06/15/2015 20:02	ALD
7440-50-8	Copper	158		mg/kg dry	0.543	0.543	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 12:28	06/15/2015 20:02	ALD
7439-89-6	Iron	18200		mg/kg dry	2.17	2.17	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 12:28	06/15/2015 20:02	ALD
7439-92-1	Lead	313		mg/kg dry	0.326	0.326	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/15/2015 20:02	ALD
7439-95-4	Magnesium	7740		mg/kg dry	5.43	5.43	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 12:28	06/15/2015 20:02	ALD
7439-96-5	Manganese	275		mg/kg dry	0.543	0.543	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 12:28	06/15/2015 20:02	ALD
7440-02-0	Nickel	22.3		mg/kg dry	0.543	0.543	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/15/2015 20:02	ALD
7440-09-7	Potassium	1660		mg/kg dry	5.43	5.43	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 12:28	06/15/2015 20:02	ALD
7782-49-2	Selenium	1.12		mg/kg dry	1.09	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/15/2015 20:02	ALD
7440-22-4	Silver	ND		mg/kg dry	0.543	0.543	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/15/2015 20:02	ALD
7440-23-5	Sodium	291		mg/kg dry	10.9	10.9	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 12:28	06/15/2015 20:02	ALD
7440-28-0	Thallium	ND		mg/kg dry	1.09	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 12:28	06/15/2015 20:02	ALD
7440-62-2	Vanadium	29.2		mg/kg dry	1.09	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 12:28	06/15/2015 20:02	ALD
7440-66-6	Zinc	302		mg/kg dry	1.09	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 12:28	06/15/2015 20:02	ALD

Mercury by 7473

Log-in Notes:

Sample Notes:



Sample Information

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

York Sample ID: 15F0434-01

<u>York Project (SDG) No.</u> 15F0434	<u>Client Project ID</u> #150133 200 East 135th Street Bronx, NY	<u>Matrix</u> Soil	<u>Collection Date/Time</u> June 10, 2015 10:55 am	<u>Date Received</u> 06/11/2015
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Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.278		mg/kg dry	0.0326	0.0326	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	06/12/2015 05:54	06/12/2015 12:59	ALD

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	92.1		%	0.100	0.100	1	SM 2540G Certifications: CTDOH	06/12/2015 09:45	06/12/2015 14:22	SCA

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.380	0.543	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854	06/16/2015 07:38	06/16/2015 13:43	SC

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	24.4		mg/kg	0.250	0.500	1	Calculation Certifications:	06/16/2015 13:44	06/16/2015 13:48	SC

Sample Information

Client Sample ID: SP-2 (10-12')

York Sample ID: 15F0434-02

<u>York Project (SDG) No.</u> 15F0434	<u>Client Project ID</u> #150133 200 East 135th Street Bronx, NY	<u>Matrix</u> Soil	<u>Collection Date/Time</u> June 10, 2015 11:15 am	<u>Date Received</u> 06/11/2015
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Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 18:02	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 18:02	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 18:02	BK



Sample Information

Client Sample ID: SP-2 (10-12')

York Sample ID: 15F0434-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0434

#150133 200 East 135th Street Bronx, NY

Soil

June 10, 2015 11:15 am

06/11/2015

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 18:02	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 18:02	BK
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 18:02	BK
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 18:02	BK
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 18:02	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 18:02	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 18:02	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 18:02	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 18:02	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 18:02	BK
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 18:02	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 18:02	BK
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 18:02	BK
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 18:02	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 18:02	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 18:02	BK
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 18:02	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 18:02	BK
123-91-1	1,4-Dioxane	ND		ug/kg dry	53	110	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 18:02	BK
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 18:02	BK
78-93-3	2-Butanone	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 18:02	BK
95-49-8	2-Chlorotoluene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 18:02	BK
106-43-4	4-Chlorotoluene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 18:02	BK



Sample Information

Client Sample ID: SP-2 (10-12')

York Sample ID: 15F0434-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0434

#150133 200 East 135th Street Bronx, NY

Soil

June 10, 2015 11:15 am

06/11/2015

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	ND	SCAL-E	ug/kg dry	5.3	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 18:02	BK
71-43-2	Benzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 18:02	BK
108-86-1	Bromobenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 18:02	BK
74-97-5	Bromochloromethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 18:02	BK
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 18:02	BK
75-25-2	Bromoform	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 18:02	BK
74-83-9	Bromomethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 18:02	BK
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 18:02	BK
108-90-7	Chlorobenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 18:02	BK
75-00-3	Chloroethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 18:02	BK
67-66-3	Chloroform	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 18:02	BK
74-87-3	Chloromethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 18:02	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 18:02	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 18:02	BK
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 18:02	BK
74-95-3	Dibromomethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 18:02	BK
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 18:02	BK
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 18:02	BK
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 18:02	BK
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 18:02	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 18:02	BK
75-09-2	Methylene chloride	ND		ug/kg dry	5.3	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 18:02	BK
91-20-3	Naphthalene	ND		ug/kg dry	2.6	11	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 18:02	BK



Sample Information

Client Sample ID: SP-2 (10-12')

York Sample ID: 15F0434-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0434

#150133 200 East 135th Street Bronx, NY

Soil

June 10, 2015 11:15 am

06/11/2015

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 18:02	BK
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 18:02	BK
95-47-6	o-Xylene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	06/12/2015 09:12	06/12/2015 18:02	BK
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.3	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	06/12/2015 09:12	06/12/2015 18:02	BK
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 18:02	BK
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 18:02	BK
100-42-5	Styrene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 18:02	BK
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 18:02	BK
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 18:02	BK
108-88-3	Toluene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 18:02	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 18:02	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 18:02	BK
79-01-6	Trichloroethylene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 18:02	BK
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 18:02	BK
108-05-4	Vinyl acetate	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 18:02	BK
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 18:02	BK
1330-20-7	Xylenes, Total	ND		ug/kg dry	7.9	16	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 18:02	BK
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	106 %			77-125						
2037-26-5	Surrogate: Toluene-d8	97.0 %			85-120						
460-00-4	Surrogate: p-Bromofluorobenzene	101 %			76-130						

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	247		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:41	SR



Sample Information

Client Sample ID: SP-2 (10-12')

York Sample ID: 15F0434-02

York Project (SDG) No.

Client Project ID

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15F0434

#150133 200 East 135th Street Bronx, NY

Soil

June 10, 2015 11:15 am

06/11/2015

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
208-96-8	Acenaphthylene	84.4	J	ug/kg dry	47.7	95.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:41	SR
62-53-3	Aniline	ND		ug/kg dry	190	381	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:41	SR
120-12-7	Anthracene	573		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:41	SR
56-55-3	Benzo(a)anthracene	1580		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:41	SR
50-32-8	Benzo(a)pyrene	765		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:41	SR
205-99-2	Benzo(b)fluoranthene	709		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:41	SR
191-24-2	Benzo(g,h,i)perylene	612		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:41	SR
207-08-9	Benzo(k)fluoranthene	831		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:41	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:41	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:41	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:41	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:41	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:41	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:41	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:41	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:41	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:41	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:41	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:41	SR
218-01-9	Chrysene	1950		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:41	SR
53-70-3	Dibenzo(a,h)anthracene	218		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:41	SR
132-64-9	Dibenzofuran	128		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 06:50	06/12/2015 23:41	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:41	SR



Sample Information

Client Sample ID: SP-2 (10-12')

York Sample ID: 15F0434-02

York Project (SDG) No.

Client Project ID

Matrix

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15F0434

#150133 200 East 135th Street Bronx, NY

Soil

June 10, 2015 11:15 am

06/11/2015

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications: NELAC-NY10854	06/12/2015 06:50	06/12/2015 23:41	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications: NELAC-NY10854	06/12/2015 06:50	06/12/2015 23:41	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications: NELAC-NY10854	06/12/2015 06:50	06/12/2015 23:41	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:41	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:41	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:41	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:41	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:41	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	95.1	190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 06:50	06/12/2015 23:41	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	95.1	190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:41	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:41	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:41	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:41	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:41	SR
206-44-0	Fluoranthene	3270		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:41	SR
86-73-7	Fluorene	210		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:41	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:41	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:41	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:41	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:41	SR
193-39-5	Indeno(1,2,3-cd)pyrene	517		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:41	SR
78-59-1	Isophorone	ND		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:41	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 06:50	06/12/2015 23:41	SR



Sample Information

Client Sample ID: SP-2 (10-12')

York Sample ID: 15F0434-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0434

#150133 200 East 135th Street Bronx, NY

Soil

June 10, 2015 11:15 am

06/11/2015

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:41	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 06:50	06/12/2015 23:41	SR
91-20-3	Naphthalene	172		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 06:50	06/12/2015 23:41	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	95.1	190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:41	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	95.1	190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:41	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	95.1	190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:41	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:41	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:41	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	95.1	190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:41	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:41	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 06:50	06/12/2015 23:41	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 06:50	06/12/2015 23:41	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:41	SR
85-01-8	Phenanthrene	3080		ug/kg dry	119	238	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/14/2015 12:11	KH
108-95-2	Phenol	ND		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:41	SR
129-00-0	Pyrene	3640		ug/kg dry	119	238	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/14/2015 12:11	KH
110-86-1	Pyridine	ND		ug/kg dry	190	381	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:41	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:41	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:41	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 06:50	06/12/2015 23:41	SR

Surrogate Recoveries

Result

Acceptance Range

367-12-4	Surrogate: 2-Fluorophenol	65.9 %	10-95
4165-62-2	Surrogate: Phenol-d5	78.7 %	10-107
4165-60-0	Surrogate: Nitrobenzene-d5	58.1 %	10-95
321-60-8	Surrogate: 2-Fluorobiphenyl	69.5 %	10-97
118-79-6	Surrogate: 2,4,6-Tribromophenol	80.2 %	10-103



Sample Information

Client Sample ID: SP-2 (10-12')

York Sample ID: 15F0434-02

<u>York Project (SDG) No.</u> 15F0434	<u>Client Project ID</u> #150133 200 East 135th Street Bronx, NY	<u>Matrix</u> Soil	<u>Collection Date/Time</u> June 10, 2015 11:15 am	<u>Date Received</u> 06/11/2015
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Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1718-51-0	Surrogate: Terphenyl-d14	87.6 %			19-99						

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.88	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 13:13	AMC
72-55-9	4,4'-DDE	ND		ug/kg dry	1.88	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 13:13	AMC
50-29-3	4,4'-DDT	ND		ug/kg dry	1.88	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 13:13	AMC
309-00-2	Aldrin	ND		ug/kg dry	1.88	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 13:13	AMC
319-84-6	alpha-BHC	ND		ug/kg dry	1.88	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 13:13	AMC
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.88	1.88	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	06/12/2015 11:25	06/15/2015 13:13	AMC
319-85-7	beta-BHC	ND		ug/kg dry	1.88	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 13:13	AMC
57-74-9	Chlordane, total	ND		ug/kg dry	75.3	75.3	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 13:13	AMC
319-86-8	delta-BHC	ND		ug/kg dry	1.88	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 13:13	AMC
60-57-1	Dieldrin	ND		ug/kg dry	1.88	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 13:13	AMC
959-98-8	Endosulfan I	ND		ug/kg dry	1.88	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 13:13	AMC
33213-65-9	Endosulfan II	ND		ug/kg dry	1.88	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 13:13	AMC
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.88	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 13:13	AMC
72-20-8	Endrin	ND		ug/kg dry	1.88	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 13:13	AMC
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.88	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 13:13	AMC
53494-70-5	Endrin ketone	ND		ug/kg dry	1.88	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 11:25	06/15/2015 13:13	AMC
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.88	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 13:13	AMC
5103-74-2	gamma-Chlordane	ND		ug/kg dry	1.88	1.88	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	06/12/2015 11:25	06/15/2015 13:13	AMC
76-44-8	Heptachlor	ND		ug/kg dry	1.88	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 13:13	AMC
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.88	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 13:13	AMC



Sample Information

Client Sample ID: SP-2 (10-12')

York Sample ID: 15F0434-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0434

#150133 200 East 135th Street Bronx, NY

Soil

June 10, 2015 11:15 am

06/11/2015

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-43-5	Methoxychlor	ND		ug/kg dry	9.41	9.41	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 13:13	AMC
8001-35-2	Toxaphene	ND		ug/kg dry	95.2	95.2	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 11:25	06/15/2015 13:13	AMC
Surrogate Recoveries		Result			Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	68.8 %			30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	81.7 %			30-140						

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0190	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 14:18	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0190	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 14:18	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0190	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 14:18	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0190	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 14:18	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0190	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 14:18	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0190	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 14:18	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0190	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 14:18	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0190	0.0190	1	EPA 8082A Certifications:	06/12/2015 11:25	06/15/2015 14:18	AMC
Surrogate Recoveries		Result			Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	81.8 %			30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	75.1 %			30-140						

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	4950		mg/kg dry	5.70	5.70	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 12:28	06/15/2015 20:07	ALD
7440-36-0	Antimony	ND		mg/kg dry	0.570	0.570	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/15/2015 20:07	ALD
7440-38-2	Arsenic	1.38		mg/kg dry	1.14	1.14	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/15/2015 20:07	ALD



Sample Information

Client Sample ID: SP-2 (10-12')

York Sample ID: 15F0434-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0434

#150133 200 East 135th Street Bronx, NY

Soil

June 10, 2015 11:15 am

06/11/2015

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-39-3	Barium	38.4		mg/kg dry	1.14	1.14	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/15/2015 20:07	ALD
7440-41-7	Beryllium	ND		mg/kg dry	0.114	0.114	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 12:28	06/15/2015 20:07	ALD
7440-43-9	Cadmium	ND		mg/kg dry	0.342	0.342	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/15/2015 20:07	ALD
7440-70-2	Calcium	1420		mg/kg dry	0.570	5.70	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 12:28	06/15/2015 20:07	ALD
7440-47-3	Chromium	12.9		mg/kg dry	0.570	0.570	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/15/2015 20:07	ALD
7440-48-4	Cobalt	14.0		mg/kg dry	0.570	0.570	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 12:28	06/15/2015 20:07	ALD
7440-50-8	Copper	23.8		mg/kg dry	0.570	0.570	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 12:28	06/15/2015 20:07	ALD
7439-89-6	Iron	22600		mg/kg dry	2.28	2.28	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 12:28	06/15/2015 20:07	ALD
7439-92-1	Lead	19.1		mg/kg dry	0.342	0.342	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/15/2015 20:07	ALD
7439-95-4	Magnesium	1970		mg/kg dry	5.70	5.70	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 12:28	06/15/2015 20:07	ALD
7439-96-5	Manganese	1030		mg/kg dry	0.570	0.570	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 12:28	06/15/2015 20:07	ALD
7440-02-0	Nickel	44.3		mg/kg dry	0.570	0.570	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/15/2015 20:07	ALD
7440-09-7	Potassium	1060		mg/kg dry	5.70	5.70	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 12:28	06/15/2015 20:07	ALD
7782-49-2	Selenium	4.44		mg/kg dry	1.14	1.14	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/15/2015 20:07	ALD
7440-22-4	Silver	ND		mg/kg dry	0.570	0.570	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/15/2015 20:07	ALD
7440-23-5	Sodium	211		mg/kg dry	11.4	11.4	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 12:28	06/15/2015 20:07	ALD
7440-28-0	Thallium	ND		mg/kg dry	1.14	1.14	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 12:28	06/15/2015 20:07	ALD
7440-62-2	Vanadium	21.6		mg/kg dry	1.14	1.14	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 12:28	06/15/2015 20:07	ALD
7440-66-6	Zinc	103		mg/kg dry	1.14	1.14	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 12:28	06/15/2015 20:07	ALD

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

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

Client Sample ID: SP-2 (10-12')

York Sample ID: 15F0434-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0434

#150133 200 East 135th Street Bronx, NY

Soil

June 10, 2015 11:15 am

06/11/2015

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.167		mg/kg dry	0.0342	0.0342	1	EPA 7473	06/12/2015 05:54	06/12/2015 13:09	ALD
Certifications:									CTDOH,NJDEP,NELAC-NY10854,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	87.7		%	0.100	0.100	1	SM 2540G	06/12/2015 09:45	06/12/2015 14:22	SCA
Certifications:									CTDOH		

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.399	0.570	1	EPA 7196A	06/16/2015 07:38	06/16/2015 13:43	SC
Certifications:									NJDEP,CTDOH,NELAC-NY10854		

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	12.9		mg/kg	0.250	0.500	1	Calculation	06/16/2015 13:44	06/16/2015 13:48	SC
Certifications:											

Sample Information

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

York Sample ID: 15F0434-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0434

#150133 200 East 135th Street Bronx, NY

Soil

June 10, 2015 10:30 am

06/11/2015

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C	06/12/2015 09:12	06/12/2015 18:38	BK
Certifications:									CTDOH,NELAC-NY10854,NJDEP		
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C	06/12/2015 09:12	06/12/2015 18:38	BK
Certifications:									CTDOH,NELAC-NY10854,NJDEP,PADEP		



Sample Information

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

York Sample ID: 15F0434-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0434

#150133 200 East 135th Street Bronx, NY

Soil

June 10, 2015 10:30 am

06/11/2015

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 18:38	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 18:38	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 18:38	BK
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 18:38	BK
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 18:38	BK
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 18:38	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 18:38	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 18:38	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 18:38	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 18:38	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 18:38	BK
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 18:38	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 18:38	BK
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 18:38	BK
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 18:38	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 18:38	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 18:38	BK
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 18:38	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 18:38	BK
123-91-1	1,4-Dioxane	ND		ug/kg dry	51	100	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 18:38	BK
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 18:38	BK
78-93-3	2-Butanone	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 18:38	BK
95-49-8	2-Chlorotoluene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 18:38	BK
106-43-4	4-Chlorotoluene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 18:38	BK



Sample Information

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

York Sample ID: 15F0434-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0434

#150133 200 East 135th Street Bronx, NY

Soil

June 10, 2015 10:30 am

06/11/2015

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	ND		ug/kg dry	5.1	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 18:38	BK
71-43-2	Benzene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 18:38	BK
108-86-1	Bromobenzene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 18:38	BK
74-97-5	Bromochloromethane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 18:38	BK
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 18:38	BK
75-25-2	Bromoform	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 18:38	BK
74-83-9	Bromomethane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 18:38	BK
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 18:38	BK
108-90-7	Chlorobenzene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 18:38	BK
75-00-3	Chloroethane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 18:38	BK
67-66-3	Chloroform	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 18:38	BK
74-87-3	Chloromethane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 18:38	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 18:38	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 18:38	BK
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 18:38	BK
74-95-3	Dibromomethane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 18:38	BK
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 18:38	BK
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 18:38	BK
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 18:38	BK
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 18:38	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 18:38	BK
75-09-2	Methylene chloride	ND		ug/kg dry	5.1	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 18:38	BK
91-20-3	Naphthalene	ND		ug/kg dry	2.5	10	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 18:38	BK
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 18:38	BK



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06/11/2015

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 18:38	BK
95-47-6	o-Xylene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	06/12/2015 09:12	06/12/2015 18:38	BK
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.1	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	06/12/2015 09:12	06/12/2015 18:38	BK
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 18:38	BK
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 18:38	BK
100-42-5	Styrene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 18:38	BK
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 18:38	BK
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 18:38	BK
108-88-3	Toluene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 18:38	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 18:38	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 18:38	BK
79-01-6	Trichloroethylene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 18:38	BK
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 18:38	BK
108-05-4	Vinyl acetate	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 18:38	BK
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 18:38	BK
1330-20-7	Xylenes, Total	ND		ug/kg dry	7.6	15	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 18:38	BK

Surrogate Recoveries

Result

Acceptance Range

17060-07-0	Surrogate: 1,2-Dichloroethane-d4	108 %	77-125
2037-26-5	Surrogate: Toluene-d8	99.1 %	85-120
460-00-4	Surrogate: p-Bromofluorobenzene	102 %	76-130

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	45.7	91.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:14	SR
208-96-8	Acenaphthylene	529		ug/kg dry	45.7	91.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:14	SR



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Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
62-53-3	Aniline	ND		ug/kg dry	183	365	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:14	SR
120-12-7	Anthracene	343		ug/kg dry	45.7	91.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:14	SR
56-55-3	Benzo(a)anthracene	2180		ug/kg dry	45.7	91.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:14	SR
50-32-8	Benzo(a)pyrene	970		ug/kg dry	45.7	91.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:14	SR
205-99-2	Benzo(b)fluoranthene	1240		ug/kg dry	45.7	91.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:14	SR
191-24-2	Benzo(g,h,i)perylene	635		ug/kg dry	45.7	91.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:14	SR
207-08-9	Benzo(k)fluoranthene	1210		ug/kg dry	45.7	91.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:14	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	45.7	91.2	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:14	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	45.7	91.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:14	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	45.7	91.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:14	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	45.7	91.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:14	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	45.7	91.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:14	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	45.7	91.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:14	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	45.7	91.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:14	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	45.7	91.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:14	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	45.7	91.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:14	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	45.7	91.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:14	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	45.7	91.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:14	SR
218-01-9	Chrysene	2570		ug/kg dry	45.7	91.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:14	SR
53-70-3	Dibenzo(a,h)anthracene	226		ug/kg dry	45.7	91.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:14	SR
132-64-9	Dibenzofuran	91.1	J	ug/kg dry	45.7	91.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 06:50	06/13/2015 00:14	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	45.7	91.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:14	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	45.7	91.2	2	EPA 8270D Certifications: NELAC-NY10854	06/12/2015 06:50	06/13/2015 00:14	SR



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Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	45.7	91.2	2	EPA 8270D Certifications: NELAC-NY10854	06/12/2015 06:50	06/13/2015 00:14	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	45.7	91.2	2	EPA 8270D Certifications: NELAC-NY10854	06/12/2015 06:50	06/13/2015 00:14	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	45.7	91.2	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:14	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	45.7	91.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:14	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	45.7	91.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:14	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	45.7	91.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:14	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	45.7	91.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:14	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	91.2	182	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 06:50	06/13/2015 00:14	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	91.2	182	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:14	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	45.7	91.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:14	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	45.7	91.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:14	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	45.7	91.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:14	SR
117-81-7	Bis(2-ethylhexyl)phthalate	157		ug/kg dry	45.7	91.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:14	SR
206-44-0	Fluoranthene	4760		ug/kg dry	114	228	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/14/2015 12:42	KH
86-73-7	Fluorene	ND		ug/kg dry	45.7	91.2	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:14	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	45.7	91.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:14	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	45.7	91.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:14	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	45.7	91.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:14	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	45.7	91.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:14	SR
193-39-5	Indeno(1,2,3-cd)pyrene	697		ug/kg dry	45.7	91.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:14	SR
78-59-1	Isophorone	ND		ug/kg dry	45.7	91.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:14	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	45.7	91.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 06:50	06/13/2015 00:14	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	45.7	91.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:14	SR



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Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	45.7	91.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 06:50	06/13/2015 00:14	SR
91-20-3	Naphthalene	ND		ug/kg dry	45.7	91.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 06:50	06/13/2015 00:14	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	91.2	182	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:14	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	91.2	182	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:14	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	91.2	182	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:14	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	45.7	91.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:14	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	45.7	91.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:14	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	91.2	182	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:14	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	45.7	91.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:14	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	45.7	91.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 06:50	06/13/2015 00:14	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	45.7	91.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 06:50	06/13/2015 00:14	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	45.7	91.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:14	SR
85-01-8	Phenanthrene	2480		ug/kg dry	45.7	91.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:14	SR
108-95-2	Phenol	ND		ug/kg dry	45.7	91.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:14	SR
129-00-0	Pyrene	4390		ug/kg dry	114	228	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/14/2015 12:42	KH
110-86-1	Pyridine	ND		ug/kg dry	183	365	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:14	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	45.7	91.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:14	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	45.7	91.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:14	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	45.7	91.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 06:50	06/13/2015 00:14	SR
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	42.1 %	10-95								
4165-62-2	Surrogate: Phenol-d5	51.2 %	10-107								
4165-60-0	Surrogate: Nitrobenzene-d5	36.9 %	10-95								
321-60-8	Surrogate: 2-Fluorobiphenyl	45.2 %	10-97								
118-79-6	Surrogate: 2,4,6-Tribromophenol	55.4 %	10-103								
1718-51-0	Surrogate: Terphenyl-d14	62.1 %	19-99								



Sample Information

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

York Sample ID: 15F0434-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0434

#150133 200 East 135th Street Bronx, NY

Soil

June 10, 2015 10:30 am

06/11/2015

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	28.5		ug/kg dry	1.80	1.80	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 13:28	AMC
72-55-9	4,4'-DDE	35.7		ug/kg dry	1.80	1.80	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 13:28	AMC
50-29-3	4,4'-DDT	143		ug/kg dry	1.80	1.80	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 13:28	AMC
309-00-2	Aldrin	ND		ug/kg dry	1.80	1.80	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 13:28	AMC
319-84-6	alpha-BHC	ND		ug/kg dry	1.80	1.80	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 13:28	AMC
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.80	1.80	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	06/12/2015 11:25	06/15/2015 13:28	AMC
319-85-7	beta-BHC	ND		ug/kg dry	1.80	1.80	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 13:28	AMC
57-74-9	Chlordane, total	ND		ug/kg dry	72.2	72.2	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 13:28	AMC
319-86-8	delta-BHC	ND		ug/kg dry	1.80	1.80	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 13:28	AMC
60-57-1	Dieldrin	ND		ug/kg dry	1.80	1.80	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 13:28	AMC
959-98-8	Endosulfan I	ND		ug/kg dry	1.80	1.80	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 13:28	AMC
33213-65-9	Endosulfan II	ND		ug/kg dry	1.80	1.80	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 13:28	AMC
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.80	1.80	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 13:28	AMC
72-20-8	Endrin	ND		ug/kg dry	1.80	1.80	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 13:28	AMC
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.80	1.80	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 13:28	AMC
53494-70-5	Endrin ketone	ND		ug/kg dry	1.80	1.80	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 11:25	06/15/2015 13:28	AMC
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.80	1.80	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 13:28	AMC
5103-74-2	gamma-Chlordane	ND		ug/kg dry	1.80	1.80	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	06/12/2015 11:25	06/15/2015 13:28	AMC
76-44-8	Heptachlor	ND		ug/kg dry	1.80	1.80	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 13:28	AMC
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.80	1.80	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 13:28	AMC
72-43-5	Methoxychlor	ND		ug/kg dry	9.02	9.02	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 13:28	AMC
8001-35-2	Toxaphene	ND		ug/kg dry	91.3	91.3	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 11:25	06/15/2015 13:28	AMC

Surrogate Recoveries

Result

Acceptance Range



Sample Information

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

York Sample ID: 15F0434-03

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15F0434

#150133 200 East 135th Street Bronx, NY

Soil

June 10, 2015 10:30 am

06/11/2015

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
877-09-8	Surrogate: Tetrachloro-m-xylene	66.7 %				30-140					
2051-24-3	Surrogate: Decachlorobiphenyl	88.5 %				30-140					

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0182	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 14:48	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0182	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 14:48	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0182	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 14:48	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0182	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 14:48	AMC
12672-29-6	Aroclor 1248	0.0688		mg/kg dry	0.0182	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 14:48	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0182	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 14:48	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0182	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 14:48	AMC
1336-36-3	* Total PCBs	0.0688		mg/kg dry	0.0182	0.0182	1	EPA 8082A Certifications:	06/12/2015 11:25	06/15/2015 14:48	AMC

Surrogate Recoveries

Result

Acceptance Range

877-09-8	Surrogate: Tetrachloro-m-xylene	75.4 %	30-140
2051-24-3	Surrogate: Decachlorobiphenyl	78.6 %	30-140

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	8950		mg/kg dry	5.47	5.47	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 12:28	06/15/2015 20:11	ALD
7440-36-0	Antimony	ND		mg/kg dry	0.547	0.547	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/15/2015 20:11	ALD
7440-38-2	Arsenic	3.53		mg/kg dry	1.09	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/15/2015 20:11	ALD
7440-39-3	Barium	635		mg/kg dry	1.09	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/15/2015 20:11	ALD
7440-41-7	Beryllium	ND		mg/kg dry	0.109	0.109	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 12:28	06/15/2015 20:11	ALD
7440-43-9	Cadmium	0.626		mg/kg dry	0.328	0.328	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/15/2015 20:11	ALD



Sample Information

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

York Sample ID: 15F0434-03

York Project (SDG) No.

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Matrix

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#150133 200 East 135th Street Bronx, NY

Soil

June 10, 2015 10:30 am

06/11/2015

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-70-2	Calcium	32200		mg/kg dry	0.547	5.47	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 12:28	06/15/2015 20:11	ALD
7440-47-3	Chromium	22.9		mg/kg dry	0.547	0.547	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/15/2015 20:11	ALD
7440-48-4	Cobalt	10.0		mg/kg dry	0.547	0.547	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 12:28	06/15/2015 20:11	ALD
7440-50-8	Copper	105		mg/kg dry	0.547	0.547	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 12:28	06/15/2015 20:11	ALD
7439-89-6	Iron	18100		mg/kg dry	2.19	2.19	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 12:28	06/15/2015 20:11	ALD
7439-92-1	Lead	618		mg/kg dry	0.328	0.328	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/15/2015 20:11	ALD
7439-95-4	Magnesium	5260		mg/kg dry	5.47	5.47	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 12:28	06/15/2015 20:11	ALD
7439-96-5	Manganese	322		mg/kg dry	0.547	0.547	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 12:28	06/15/2015 20:11	ALD
7440-02-0	Nickel	18.8		mg/kg dry	0.547	0.547	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/15/2015 20:11	ALD
7440-09-7	Potassium	3010		mg/kg dry	5.47	5.47	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 12:28	06/15/2015 20:11	ALD
7782-49-2	Selenium	ND		mg/kg dry	1.09	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/15/2015 20:11	ALD
7440-22-4	Silver	ND		mg/kg dry	0.547	0.547	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/15/2015 20:11	ALD
7440-23-5	Sodium	312		mg/kg dry	10.9	10.9	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 12:28	06/15/2015 20:11	ALD
7440-28-0	Thallium	ND		mg/kg dry	1.09	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 12:28	06/15/2015 20:11	ALD
7440-62-2	Vanadium	34.3		mg/kg dry	1.09	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 12:28	06/15/2015 20:11	ALD
7440-66-6	Zinc	417		mg/kg dry	1.09	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 12:28	06/15/2015 20:11	ALD

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.166		mg/kg dry	0.0328	0.0328	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	06/12/2015 05:54	06/12/2015 13:18	ALD

Total Solids

Log-in Notes:

Sample Notes:



Sample Information

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

York Sample ID: 15F0434-03

<u>York Project (SDG) No.</u> 15F0434	<u>Client Project ID</u> #150133 200 East 135th Street Bronx, NY	<u>Matrix</u> Soil	<u>Collection Date/Time</u> June 10, 2015 10:30 am	<u>Date Received</u> 06/11/2015
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Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	91.4		%	0.100	0.100	1	SM 2540G Certifications: CTDOH	06/12/2015 09:45	06/12/2015 14:22	SCA

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.383	0.547	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854	06/16/2015 07:38	06/16/2015 13:43	SC

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	22.9		mg/kg	0.250	0.500	1	Calculation Certifications:	06/16/2015 13:44	06/16/2015 13:48	SC

Sample Information

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

York Sample ID: 15F0434-04

<u>York Project (SDG) No.</u> 15F0434	<u>Client Project ID</u> #150133 200 East 135th Street Bronx, NY	<u>Matrix</u> Soil	<u>Collection Date/Time</u> June 10, 2015 11:05 am	<u>Date Received</u> 06/11/2015
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Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	8.5	17	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 19:14	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	8.5	17	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 19:14	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	8.5	17	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 19:14	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	8.5	17	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 19:14	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	8.5	17	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 19:14	BK
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	8.5	17	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 19:14	BK
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	8.5	17	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 19:14	BK
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	8.5	17	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 19:14	BK



Sample Information

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

York Sample ID: 15F0434-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0434

#150133 200 East 135th Street Bronx, NY

Soil

June 10, 2015 11:05 am

06/11/2015

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	8.5	17	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 19:14	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	8.5	17	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 19:14	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	8.5	17	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 19:14	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	8.5	17	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 19:14	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	8.5	17	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 19:14	BK
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	8.5	17	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 19:14	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	8.5	17	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 19:14	BK
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	8.5	17	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 19:14	BK
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	8.5	17	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 19:14	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	8.5	17	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 19:14	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	8.5	17	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 19:14	BK
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	8.5	17	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 19:14	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	8.5	17	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 19:14	BK
123-91-1	1,4-Dioxane	ND		ug/kg dry	170	340	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 19:14	BK
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	8.5	17	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 19:14	BK
78-93-3	2-Butanone	ND		ug/kg dry	8.5	17	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 19:14	BK
95-49-8	2-Chlorotoluene	ND		ug/kg dry	8.5	17	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 19:14	BK
106-43-4	4-Chlorotoluene	ND		ug/kg dry	8.5	17	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 19:14	BK
67-64-1	Acetone	53	CCV-E, SCAL- E	ug/kg dry	17	34	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 19:14	BK
71-43-2	Benzene	ND		ug/kg dry	8.5	17	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 19:14	BK
108-86-1	Bromobenzene	ND		ug/kg dry	8.5	17	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 19:14	BK
74-97-5	Bromochloromethane	ND		ug/kg dry	8.5	17	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 19:14	BK
75-27-4	Bromodichloromethane	ND		ug/kg dry	8.5	17	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 19:14	BK



Sample Information

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

York Sample ID: 15F0434-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0434

#150133 200 East 135th Street Bronx, NY

Soil

June 10, 2015 11:05 am

06/11/2015

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-25-2	Bromoform	ND		ug/kg dry	8.5	17	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 19:14	BK
74-83-9	Bromomethane	ND		ug/kg dry	8.5	17	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 19:14	BK
56-23-5	Carbon tetrachloride	ND		ug/kg dry	8.5	17	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 19:14	BK
108-90-7	Chlorobenzene	ND		ug/kg dry	8.5	17	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 19:14	BK
75-00-3	Chloroethane	ND		ug/kg dry	8.5	17	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 19:14	BK
67-66-3	Chloroform	ND		ug/kg dry	8.5	17	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 19:14	BK
74-87-3	Chloromethane	ND		ug/kg dry	8.5	17	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 19:14	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	8.5	17	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 19:14	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	8.5	17	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 19:14	BK
124-48-1	Dibromochloromethane	ND		ug/kg dry	8.5	17	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 19:14	BK
74-95-3	Dibromomethane	ND		ug/kg dry	8.5	17	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 19:14	BK
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	8.5	17	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 19:14	BK
100-41-4	Ethyl Benzene	ND		ug/kg dry	8.5	17	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 19:14	BK
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	8.5	17	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 19:14	BK
98-82-8	Isopropylbenzene	ND		ug/kg dry	8.5	17	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 19:14	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	8.5	17	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 19:14	BK
75-09-2	Methylene chloride	ND		ug/kg dry	17	34	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 19:14	BK
91-20-3	Naphthalene	ND		ug/kg dry	8.5	34	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 19:14	BK
104-51-8	n-Butylbenzene	ND		ug/kg dry	8.5	17	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 19:14	BK
103-65-1	n-Propylbenzene	ND		ug/kg dry	8.5	17	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 19:14	BK
95-47-6	o-Xylene	ND		ug/kg dry	8.5	17	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	06/12/2015 09:12	06/12/2015 19:14	BK
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	17	34	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	06/12/2015 09:12	06/12/2015 19:14	BK
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	8.5	17	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 19:14	BK
135-98-8	sec-Butylbenzene	ND		ug/kg dry	8.5	17	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 19:14	BK



Sample Information

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

York Sample ID: 15F0434-04

<u>York Project (SDG) No.</u> 15F0434	<u>Client Project ID</u> #150133 200 East 135th Street Bronx, NY	<u>Matrix</u> Soil	<u>Collection Date/Time</u> June 10, 2015 11:05 am	<u>Date Received</u> 06/11/2015
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Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-42-5	Styrene	ND		ug/kg dry	8.5	17	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 19:14	BK
98-06-6	tert-Butylbenzene	ND		ug/kg dry	8.5	17	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 19:14	BK
127-18-4	Tetrachloroethylene	ND		ug/kg dry	8.5	17	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 19:14	BK
108-88-3	Toluene	ND		ug/kg dry	8.5	17	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 19:14	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	8.5	17	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 19:14	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	8.5	17	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 19:14	BK
79-01-6	Trichloroethylene	ND		ug/kg dry	8.5	17	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 19:14	BK
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	8.5	17	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 19:14	BK
108-05-4	Vinyl acetate	ND		ug/kg dry	8.5	17	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 19:14	BK
75-01-4	Vinyl Chloride	ND		ug/kg dry	8.5	17	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 19:14	BK
1330-20-7	Xylenes, Total	ND		ug/kg dry	26	51	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 19:14	BK
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	112 %	77-125								
2037-26-5	Surrogate: Toluene-d8	96.2 %	85-120								
460-00-4	Surrogate: p-Bromofluorobenzene	98.7 %	76-130								

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	52.3	104	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:08	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	52.3	104	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:08	SR
62-53-3	Aniline	ND		ug/kg dry	209	418	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:08	SR
120-12-7	Anthracene	ND		ug/kg dry	52.3	104	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:08	SR
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	52.3	104	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:08	SR
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	52.3	104	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:08	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	52.3	104	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:08	SR



Sample Information

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

York Sample ID: 15F0434-04

York Project (SDG) No.

Client Project ID

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15F0434

#150133 200 East 135th Street Bronx, NY

Soil

June 10, 2015 11:05 am

06/11/2015

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	52.3	104	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:08	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	52.3	104	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:08	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	52.3	104	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:08	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	52.3	104	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:08	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	52.3	104	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:08	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	52.3	104	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:08	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	52.3	104	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:08	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	52.3	104	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:08	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	52.3	104	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:08	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	52.3	104	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:08	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	52.3	104	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:08	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	52.3	104	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:08	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	52.3	104	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:08	SR
218-01-9	Chrysene	ND		ug/kg dry	52.3	104	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:08	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	52.3	104	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:08	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	52.3	104	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 06:50	06/12/2015 23:08	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	52.3	104	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:08	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	52.3	104	2	EPA 8270D Certifications: NELAC-NY10854	06/12/2015 06:50	06/12/2015 23:08	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	52.3	104	2	EPA 8270D Certifications: NELAC-NY10854	06/12/2015 06:50	06/12/2015 23:08	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	52.3	104	2	EPA 8270D Certifications: NELAC-NY10854	06/12/2015 06:50	06/12/2015 23:08	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	52.3	104	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:08	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	52.3	104	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:08	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	52.3	104	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:08	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	52.3	104	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:08	SR



Sample Information

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

York Sample ID: 15F0434-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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15F0434

#150133 200 East 135th Street Bronx, NY

Soil

June 10, 2015 11:05 am

06/11/2015

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
131-11-3	Dimethyl phthalate	ND		ug/kg dry	52.3	104	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:08	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	104	209	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 06:50	06/12/2015 23:08	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	104	209	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:08	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	52.3	104	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:08	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	52.3	104	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:08	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	52.3	104	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:08	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	52.3	104	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:08	SR
206-44-0	Fluoranthene	ND		ug/kg dry	52.3	104	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:08	SR
86-73-7	Fluorene	ND		ug/kg dry	52.3	104	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:08	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	52.3	104	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:08	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	52.3	104	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:08	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	52.3	104	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:08	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	52.3	104	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:08	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	52.3	104	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:08	SR
78-59-1	Isophorone	ND		ug/kg dry	52.3	104	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:08	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	52.3	104	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 06:50	06/12/2015 23:08	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	52.3	104	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:08	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	52.3	104	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 06:50	06/12/2015 23:08	SR
91-20-3	Naphthalene	ND		ug/kg dry	52.3	104	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 06:50	06/12/2015 23:08	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	104	209	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:08	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	104	209	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:08	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	104	209	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:08	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	52.3	104	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:08	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	52.3	104	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:08	SR



Sample Information

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

York Sample ID: 15F0434-04

York Project (SDG) No.

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Matrix

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Date Received

15F0434

#150133 200 East 135th Street Bronx, NY

Soil

June 10, 2015 11:05 am

06/11/2015

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-02-7	4-Nitrophenol	ND		ug/kg dry	104	209	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:08	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	52.3	104	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:08	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	52.3	104	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 06:50	06/12/2015 23:08	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	52.3	104	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 06:50	06/12/2015 23:08	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	52.3	104	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:08	SR
85-01-8	Phenanthrene	ND		ug/kg dry	52.3	104	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:08	SR
108-95-2	Phenol	ND		ug/kg dry	52.3	104	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:08	SR
129-00-0	Pyrene	ND		ug/kg dry	52.3	104	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:08	SR
110-86-1	Pyridine	ND		ug/kg dry	209	418	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:08	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	52.3	104	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:08	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	52.3	104	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 23:08	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	52.3	104	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 06:50	06/12/2015 23:08	SR

Surrogate Recoveries

Result

Acceptance Range

367-12-4	Surrogate: 2-Fluorophenol	33.6 %	10-95
4165-62-2	Surrogate: Phenol-d5	39.1 %	10-107
4165-60-0	Surrogate: Nitrobenzene-d5	29.2 %	10-95
321-60-8	Surrogate: 2-Fluorobiphenyl	32.0 %	10-97
118-79-6	Surrogate: 2,4,6-Tribromophenol	39.8 %	10-103
1718-51-0	Surrogate: Terphenyl-d14	38.4 %	19-99

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	2.07	2.07	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 13:43	AMC
72-55-9	4,4'-DDE	ND		ug/kg dry	2.07	2.07	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 13:43	AMC
50-29-3	4,4'-DDT	ND		ug/kg dry	2.07	2.07	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 13:43	AMC
309-00-2	Aldrin	ND		ug/kg dry	2.07	2.07	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 13:43	AMC



Sample Information

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15F0434

#150133 200 East 135th Street Bronx, NY

Soil

June 10, 2015 11:05 am

06/11/2015

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
319-84-6	alpha-BHC	ND		ug/kg dry	2.07	2.07	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 13:43	AMC
5103-71-9	alpha-Chlordane	ND		ug/kg dry	2.07	2.07	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	06/12/2015 11:25	06/15/2015 13:43	AMC
319-85-7	beta-BHC	ND		ug/kg dry	2.07	2.07	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 13:43	AMC
57-74-9	Chlordane, total	ND		ug/kg dry	82.6	82.6	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 13:43	AMC
319-86-8	delta-BHC	ND		ug/kg dry	2.07	2.07	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 13:43	AMC
60-57-1	Dieldrin	ND		ug/kg dry	2.07	2.07	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 13:43	AMC
959-98-8	Endosulfan I	ND		ug/kg dry	2.07	2.07	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 13:43	AMC
33213-65-9	Endosulfan II	ND		ug/kg dry	2.07	2.07	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 13:43	AMC
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	2.07	2.07	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 13:43	AMC
72-20-8	Endrin	ND		ug/kg dry	2.07	2.07	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 13:43	AMC
7421-93-4	Endrin aldehyde	ND		ug/kg dry	2.07	2.07	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 13:43	AMC
53494-70-5	Endrin ketone	ND		ug/kg dry	2.07	2.07	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 11:25	06/15/2015 13:43	AMC
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	2.07	2.07	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 13:43	AMC
5103-74-2	gamma-Chlordane	ND		ug/kg dry	2.07	2.07	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	06/12/2015 11:25	06/15/2015 13:43	AMC
76-44-8	Heptachlor	ND		ug/kg dry	2.07	2.07	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 13:43	AMC
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	2.07	2.07	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 13:43	AMC
72-43-5	Methoxychlor	ND		ug/kg dry	10.3	10.3	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 13:43	AMC
8001-35-2	Toxaphene	ND		ug/kg dry	105	105	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 11:25	06/15/2015 13:43	AMC
	Surrogate Recoveries	Result						Acceptance Range			
877-09-8	Surrogate: Tetrachloro-m-xylene	62.7 %						30-140			
2051-24-3	Surrogate: Decachlorobiphenyl	97.0 %						30-140			

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0209	0.0209	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 15:17	AMC



Sample Information

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

York Sample ID: 15F0434-04

York Project (SDG) No.

Client Project ID

Matrix

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15F0434

#150133 200 East 135th Street Bronx, NY

Soil

June 10, 2015 11:05 am

06/11/2015

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0209	0.0209	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 15:17	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0209	0.0209	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 15:17	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0209	0.0209	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 15:17	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0209	0.0209	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 15:17	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0209	0.0209	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 15:17	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0209	0.0209	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 15:17	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0209	0.0209	1	EPA 8082A Certifications:	06/12/2015 11:25	06/15/2015 15:17	AMC
Surrogate Recoveries		Result	Acceptance Range								
877-09-8	Surrogate: Tetrachloro-m-xylene	81.8 %	30-140								
2051-24-3	Surrogate: Decachlorobiphenyl	81.1 %	30-140								

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	7640		mg/kg dry	6.26	6.26	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 12:28	06/15/2015 20:19	ALD
7440-36-0	Antimony	ND		mg/kg dry	0.626	0.626	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/15/2015 20:19	ALD
7440-38-2	Arsenic	ND		mg/kg dry	1.25	1.25	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/15/2015 20:19	ALD
7440-39-3	Barium	28.3		mg/kg dry	1.25	1.25	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/15/2015 20:19	ALD
7440-41-7	Beryllium	ND		mg/kg dry	0.125	0.125	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 12:28	06/15/2015 20:19	ALD
7440-43-9	Cadmium	ND		mg/kg dry	0.376	0.376	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/15/2015 20:19	ALD
7440-70-2	Calcium	5020		mg/kg dry	0.626	6.26	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 12:28	06/15/2015 20:19	ALD
7440-47-3	Chromium	18.8		mg/kg dry	0.626	0.626	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/15/2015 20:19	ALD
7440-48-4	Cobalt	6.70		mg/kg dry	0.626	0.626	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 12:28	06/15/2015 20:19	ALD
7440-50-8	Copper	11.1		mg/kg dry	0.626	0.626	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 12:28	06/15/2015 20:19	ALD
7439-89-6	Iron	18700		mg/kg dry	2.50	2.50	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 12:28	06/15/2015 20:19	ALD



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15F0434

#150133 200 East 135th Street Bronx, NY

Soil

June 10, 2015 11:05 am

06/11/2015

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	3.18		mg/kg dry	0.376	0.376	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/15/2015 20:19	ALD
7439-95-4	Magnesium	4720		mg/kg dry	6.26	6.26	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 12:28	06/15/2015 20:19	ALD
7439-96-5	Manganese	169		mg/kg dry	0.626	0.626	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 12:28	06/15/2015 20:19	ALD
7440-02-0	Nickel	14.6		mg/kg dry	0.626	0.626	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/15/2015 20:19	ALD
7440-09-7	Potassium	982		mg/kg dry	6.26	6.26	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 12:28	06/15/2015 20:19	ALD
7782-49-2	Selenium	12.7		mg/kg dry	1.25	1.25	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/15/2015 20:19	ALD
7440-22-4	Silver	ND		mg/kg dry	0.626	0.626	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/15/2015 20:19	ALD
7440-23-5	Sodium	234		mg/kg dry	12.5	12.5	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 12:28	06/15/2015 20:19	ALD
7440-28-0	Thallium	ND		mg/kg dry	1.25	1.25	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 12:28	06/15/2015 20:19	ALD
7440-62-2	Vanadium	22.0		mg/kg dry	1.25	1.25	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 12:28	06/15/2015 20:19	ALD
7440-66-6	Zinc	33.3		mg/kg dry	1.25	1.25	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 12:28	06/15/2015 20:19	ALD

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0376	0.0376	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	06/12/2015 05:54	06/12/2015 13:27	ALD

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	79.9		%	0.100	0.100	1	SM 2540G Certifications: CTDOH	06/12/2015 09:45	06/12/2015 14:22	SCA

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.438	0.626	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854	06/16/2015 07:38	06/16/2015 13:43	SC



Sample Information

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

York Sample ID: 15F0434-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0434

#150133 200 East 135th Street Bronx, NY

Soil

June 10, 2015 11:05 am

06/11/2015

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	18.8		mg/kg	0.250	0.500	1	Calculation	06/16/2015 13:44	06/16/2015 13:48	SC
Certifications:											

Sample Information

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

York Sample ID: 15F0434-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0434

#150133 200 East 135th Street Bronx, NY

Soil

June 10, 2015 1:15 pm

06/11/2015

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 19:50	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 19:50	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 19:50	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 19:50	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 19:50	BK
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 19:50	BK
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 19:50	BK
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 19:50	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 19:50	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 19:50	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 19:50	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 19:50	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 19:50	BK
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 19:50	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 19:50	BK



Sample Information

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

York Sample ID: 15F0434-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0434

#150133 200 East 135th Street Bronx, NY

Soil

June 10, 2015 1:15 pm

06/11/2015

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 19:50	BK
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 19:50	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 19:50	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 19:50	BK
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 19:50	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 19:50	BK
123-91-1	1,4-Dioxane	ND		ug/kg dry	48	95	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 19:50	BK
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 19:50	BK
78-93-3	2-Butanone	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 19:50	BK
95-49-8	2-Chlorotoluene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 19:50	BK
106-43-4	4-Chlorotoluene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 19:50	BK
67-64-1	Acetone	16	CCV-E, SCAL-E	ug/kg dry	4.8	9.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 19:50	BK
71-43-2	Benzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 19:50	BK
108-86-1	Bromobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 19:50	BK
74-97-5	Bromochloromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 19:50	BK
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 19:50	BK
75-25-2	Bromoform	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 19:50	BK
74-83-9	Bromomethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 19:50	BK
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 19:50	BK
108-90-7	Chlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 19:50	BK
75-00-3	Chloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 19:50	BK
67-66-3	Chloroform	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 19:50	BK
74-87-3	Chloromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 19:50	BK



Sample Information

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

York Sample ID: 15F0434-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0434

#150133 200 East 135th Street Bronx, NY

Soil

June 10, 2015 1:15 pm

06/11/2015

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 19:50	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 19:50	BK
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 19:50	BK
74-95-3	Dibromomethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 19:50	BK
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 19:50	BK
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 19:50	BK
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 19:50	BK
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 19:50	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 19:50	BK
75-09-2	Methylene chloride	ND		ug/kg dry	4.8	9.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 19:50	BK
91-20-3	Naphthalene	ND		ug/kg dry	2.4	9.5	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 19:50	BK
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 19:50	BK
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 19:50	BK
95-47-6	o-Xylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	06/12/2015 09:12	06/12/2015 19:50	BK
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.8	9.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	06/12/2015 09:12	06/12/2015 19:50	BK
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 19:50	BK
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 19:50	BK
100-42-5	Styrene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 19:50	BK
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 19:50	BK
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 19:50	BK
108-88-3	Toluene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 19:50	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 19:50	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 19:50	BK
79-01-6	Trichloroethylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 19:50	BK



Sample Information

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

York Sample ID: 15F0434-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0434

#150133 200 East 135th Street Bronx, NY

Soil

June 10, 2015 1:15 pm

06/11/2015

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 19:50	BK
108-05-4	Vinyl acetate	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/12/2015 09:12	06/12/2015 19:50	BK
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 19:50	BK
1330-20-7	Xylenes, Total	ND		ug/kg dry	7.1	14	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 09:12	06/12/2015 19:50	BK
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	111 %	77-125								
2037-26-5	Surrogate: Toluene-d8	96.8 %	85-120								
460-00-4	Surrogate: p-Bromofluorobenzene	102 %	76-130								

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	295		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:48	SR
208-96-8	Acenaphthylene	51.6	J	ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:48	SR
62-53-3	Aniline	ND		ug/kg dry	175	350	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:48	SR
120-12-7	Anthracene	649		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:48	SR
56-55-3	Benzo(a)anthracene	1750		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:48	SR
50-32-8	Benzo(a)pyrene	553		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:48	SR
205-99-2	Benzo(b)fluoranthene	570		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:48	SR
191-24-2	Benzo(g,h,i)perylene	380		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:48	SR
207-08-9	Benzo(k)fluoranthene	700		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:48	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:48	SR
85-68-7	Benzyl butyl phthalate	133		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:48	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:48	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:48	SR



Sample Information

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

York Sample ID: 15F0434-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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15F0434

#150133 200 East 135th Street Bronx, NY

Soil

June 10, 2015 1:15 pm

06/11/2015

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-47-8	4-Chloroaniline	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:48	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:48	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:48	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:48	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:48	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:48	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:48	SR
218-01-9	Chrysene	1740		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:48	SR
53-70-3	Dibenzo(a,h)anthracene	172		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:48	SR
132-64-9	Dibenzofuran	102		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 06:50	06/13/2015 00:48	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:48	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: NELAC-NY10854	06/12/2015 06:50	06/13/2015 00:48	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: NELAC-NY10854	06/12/2015 06:50	06/13/2015 00:48	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: NELAC-NY10854	06/12/2015 06:50	06/13/2015 00:48	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:48	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:48	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:48	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:48	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:48	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	87.3	174	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 06:50	06/13/2015 00:48	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	87.3	174	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:48	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:48	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:48	SR



Sample Information

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

York Sample ID: 15F0434-05

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15F0434

#150133 200 East 135th Street Bronx, NY

Soil

June 10, 2015 1:15 pm

06/11/2015

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:48	SR
117-81-7	Bis(2-ethylhexyl)phthalate	197		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:48	SR
206-44-0	Fluoranthene	3700		ug/kg dry	109	218	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/14/2015 13:13	KH
86-73-7	Fluorene	215		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:48	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:48	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:48	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:48	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:48	SR
193-39-5	Indeno(1,2,3-cd)pyrene	398		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:48	SR
78-59-1	Isophorone	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:48	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 06:50	06/13/2015 00:48	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:48	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 06:50	06/13/2015 00:48	SR
91-20-3	Naphthalene	103		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 06:50	06/13/2015 00:48	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	87.3	174	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:48	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	87.3	174	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:48	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	87.3	174	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:48	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:48	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:48	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	87.3	174	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:48	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:48	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 06:50	06/13/2015 00:48	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 06:50	06/13/2015 00:48	SR



Sample Information

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#150133 200 East 135th Street Bronx, NY

Soil

June 10, 2015 1:15 pm

06/11/2015

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-86-5	Pentachlorophenol	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:48	SR
85-01-8	Phenanthrene	2340		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:48	SR
108-95-2	Phenol	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:48	SR
129-00-0	Pyrene	3300		ug/kg dry	109	218	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/14/2015 13:13	KH
110-86-1	Pyridine	ND		ug/kg dry	175	350	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:48	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:48	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/13/2015 00:48	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 06:50	06/13/2015 00:48	SR
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: 2-Fluorophenol	39.5 %			10-95						
4165-62-2	Surrogate: Phenol-d5	47.8 %			10-107						
4165-60-0	Surrogate: Nitrobenzene-d5	34.9 %			10-95						
321-60-8	Surrogate: 2-Fluorobiphenyl	41.0 %			10-97						
118-79-6	Surrogate: 2,4,6-Tribromophenol	39.3 %			10-103						
1718-51-0	Surrogate: Terphenyl-d14	60.7 %			19-99						

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.73	1.73	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 13:58	AMC
72-55-9	4,4'-DDE	ND		ug/kg dry	1.73	1.73	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 13:58	AMC
50-29-3	4,4'-DDT	ND		ug/kg dry	1.73	1.73	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 13:58	AMC
309-00-2	Aldrin	ND		ug/kg dry	1.73	1.73	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 13:58	AMC
319-84-6	alpha-BHC	ND		ug/kg dry	1.73	1.73	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 13:58	AMC
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.73	1.73	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	06/12/2015 11:25	06/15/2015 13:58	AMC
319-85-7	beta-BHC	ND		ug/kg dry	1.73	1.73	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 13:58	AMC
57-74-9	Chlordane, total	ND		ug/kg dry	69.1	69.1	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 13:58	AMC



Sample Information

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#150133 200 East 135th Street Bronx, NY

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06/11/2015

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
319-86-8	delta-BHC	ND		ug/kg dry	1.73	1.73	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 13:58	AMC
60-57-1	Dieldrin	ND		ug/kg dry	1.73	1.73	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 13:58	AMC
959-98-8	Endosulfan I	ND		ug/kg dry	1.73	1.73	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 13:58	AMC
33213-65-9	Endosulfan II	ND		ug/kg dry	1.73	1.73	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 13:58	AMC
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.73	1.73	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 13:58	AMC
72-20-8	Endrin	ND		ug/kg dry	1.73	1.73	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 13:58	AMC
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.73	1.73	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 13:58	AMC
53494-70-5	Endrin ketone	ND		ug/kg dry	1.73	1.73	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 11:25	06/15/2015 13:58	AMC
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.73	1.73	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 13:58	AMC
5103-74-2	gamma-Chlordane	ND		ug/kg dry	1.73	1.73	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	06/12/2015 11:25	06/15/2015 13:58	AMC
76-44-8	Heptachlor	ND		ug/kg dry	1.73	1.73	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 13:58	AMC
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.73	1.73	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 13:58	AMC
72-43-5	Methoxychlor	ND		ug/kg dry	8.64	8.64	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 13:58	AMC
8001-35-2	Toxaphene	ND		ug/kg dry	87.4	87.4	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 11:25	06/15/2015 13:58	AMC
Surrogate Recoveries		Result	Acceptance Range								
877-09-8	Surrogate: Tetrachloro-m-xylene	69.7 %	30-140								
2051-24-3	Surrogate: Decachlorobiphenyl	90.3 %	30-140								

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0174	0.0174	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 15:46	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0174	0.0174	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 15:46	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0174	0.0174	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 15:46	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0174	0.0174	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 15:46	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0174	0.0174	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 15:46	AMC



Sample Information

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#150133 200 East 135th Street Bronx, NY

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Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0174	0.0174	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 15:46	AMC
11096-82-5	Aroclor 1260	0.0688		mg/kg dry	0.0174	0.0174	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 15:46	AMC
1336-36-3	* Total PCBs	0.0688		mg/kg dry	0.0174	0.0174	1	EPA 8082A Certifications:	06/12/2015 11:25	06/15/2015 15:46	AMC
Surrogate Recoveries		Result			Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	76.4 %			30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	79.1 %			30-140						

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	7180		mg/kg dry	5.23	5.23	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 12:28	06/15/2015 20:24	ALD
7440-36-0	Antimony	ND		mg/kg dry	0.523	0.523	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/15/2015 20:24	ALD
7440-38-2	Arsenic	3.06		mg/kg dry	1.05	1.05	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/15/2015 20:24	ALD
7440-39-3	Barium	263		mg/kg dry	1.05	1.05	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/15/2015 20:24	ALD
7440-41-7	Beryllium	ND		mg/kg dry	0.105	0.105	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 12:28	06/15/2015 20:24	ALD
7440-43-9	Cadmium	0.852		mg/kg dry	0.314	0.314	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/15/2015 20:24	ALD
7440-70-2	Calcium	28900		mg/kg dry	0.523	5.23	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 12:28	06/15/2015 20:24	ALD
7440-47-3	Chromium	27.3		mg/kg dry	0.523	0.523	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/15/2015 20:24	ALD
7440-48-4	Cobalt	8.10		mg/kg dry	0.523	0.523	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 12:28	06/15/2015 20:24	ALD
7440-50-8	Copper	121		mg/kg dry	0.523	0.523	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 12:28	06/15/2015 20:24	ALD
7439-89-6	Iron	17900		mg/kg dry	2.09	2.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 12:28	06/15/2015 20:24	ALD
7439-92-1	Lead	227		mg/kg dry	0.314	0.314	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/15/2015 20:24	ALD
7439-95-4	Magnesium	7410		mg/kg dry	5.23	5.23	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 12:28	06/15/2015 20:24	ALD
7439-96-5	Manganese	308		mg/kg dry	0.523	0.523	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 12:28	06/15/2015 20:24	ALD



Sample Information

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

York Sample ID: 15F0434-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0434

#150133 200 East 135th Street Bronx, NY

Soil

June 10, 2015 1:15 pm

06/11/2015

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	Nickel	24.9		mg/kg dry	0.523	0.523	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/15/2015 20:24	ALD
7440-09-7	Potassium	1550		mg/kg dry	5.23	5.23	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 12:28	06/15/2015 20:24	ALD
7782-49-2	Selenium	ND		mg/kg dry	1.05	1.05	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/15/2015 20:24	ALD
7440-22-4	Silver	ND		mg/kg dry	0.523	0.523	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/15/2015 20:24	ALD
7440-23-5	Sodium	391		mg/kg dry	10.5	10.5	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 12:28	06/15/2015 20:24	ALD
7440-28-0	Thallium	ND		mg/kg dry	1.05	1.05	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 12:28	06/15/2015 20:24	ALD
7440-62-2	Vanadium	40.0		mg/kg dry	1.05	1.05	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 12:28	06/15/2015 20:24	ALD
7440-66-6	Zinc	321		mg/kg dry	1.05	1.05	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 12:28	06/15/2015 20:24	ALD

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.267		mg/kg dry	0.0314	0.0314	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	06/12/2015 05:54	06/12/2015 13:36	ALD

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	95.5		%	0.100	0.100	1	SM 2540G Certifications: CTDOH	06/12/2015 09:45	06/12/2015 14:22	SCA

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.366	0.523	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854	06/16/2015 07:38	06/16/2015 13:43	SC

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

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

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

York Sample ID: 15F0434-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0434

#150133 200 East 135th Street Bronx, NY

Soil

June 10, 2015 1:15 pm

06/11/2015

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	27.3		mg/kg	0.250	0.500	1	Calculation	06/16/2015 13:44	06/16/2015 13:48	SC
Certifications:											

Sample Information

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

York Sample ID: 15F0434-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0434

#150133 200 East 135th Street Bronx, NY

Soil

June 10, 2015 1:50 pm

06/11/2015

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 09:50	06/15/2015 14:57	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 09:50	06/15/2015 14:57	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 09:50	06/15/2015 14:57	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 09:50	06/15/2015 14:57	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 09:50	06/15/2015 14:57	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 09:50	06/15/2015 14:57	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 09:50	06/15/2015 14:57	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/15/2015 09:50	06/15/2015 14:57	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/15/2015 09:50	06/15/2015 14:57	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/15/2015 09:50	06/15/2015 14:57	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/15/2015 09:50	06/15/2015 14:57	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 09:50	06/15/2015 14:57	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 09:50	06/15/2015 14:57	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 09:50	06/15/2015 14:57	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 09:50	06/15/2015 14:57	SS



Sample Information

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

York Sample ID: 15F0434-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0434

#150133 200 East 135th Street Bronx, NY

Soil

June 10, 2015 1:50 pm

06/11/2015

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 09:50	06/15/2015 14:57	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 09:50	06/15/2015 14:57	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 09:50	06/15/2015 14:57	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 09:50	06/15/2015 14:57	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/15/2015 09:50	06/15/2015 14:57	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 09:50	06/15/2015 14:57	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	40	79	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/15/2015 09:50	06/15/2015 14:57	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/15/2015 09:50	06/15/2015 14:57	SS
78-93-3	2-Butanone	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 09:50	06/15/2015 14:57	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 09:50	06/15/2015 14:57	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 09:50	06/15/2015 14:57	SS
67-64-1	Acetone	ND	SCAL-E	ug/kg dry	4.0	7.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 09:50	06/15/2015 14:57	SS
71-43-2	Benzene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 09:50	06/15/2015 14:57	SS
108-86-1	Bromobenzene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/15/2015 09:50	06/15/2015 14:57	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/15/2015 09:50	06/15/2015 14:57	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 09:50	06/15/2015 14:57	SS
75-25-2	Bromoform	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 09:50	06/15/2015 14:57	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 09:50	06/15/2015 14:57	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 09:50	06/15/2015 14:57	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 09:50	06/15/2015 14:57	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 09:50	06/15/2015 14:57	SS
67-66-3	Chloroform	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 09:50	06/15/2015 14:57	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 09:50	06/15/2015 14:57	SS



Sample Information

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

York Sample ID: 15F0434-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0434

#150133 200 East 135th Street Bronx, NY

Soil

June 10, 2015 1:50 pm

06/11/2015

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 09:50	06/15/2015 14:57	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 09:50	06/15/2015 14:57	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	06/15/2015 09:50	06/15/2015 14:57	SS
74-95-3	Dibromomethane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/15/2015 09:50	06/15/2015 14:57	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/15/2015 09:50	06/15/2015 14:57	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 09:50	06/15/2015 14:57	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/15/2015 09:50	06/15/2015 14:57	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 09:50	06/15/2015 14:57	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 09:50	06/15/2015 14:57	SS
75-09-2	Methylene chloride	11		ug/kg dry	4.0	7.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 09:50	06/15/2015 14:57	SS
91-20-3	Naphthalene	ND		ug/kg dry	2.0	7.9	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/15/2015 09:50	06/15/2015 14:57	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 09:50	06/15/2015 14:57	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 09:50	06/15/2015 14:57	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	06/15/2015 09:50	06/15/2015 14:57	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.0	7.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	06/15/2015 09:50	06/15/2015 14:57	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 09:50	06/15/2015 14:57	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 09:50	06/15/2015 14:57	SS
100-42-5	Styrene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 09:50	06/15/2015 14:57	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 09:50	06/15/2015 14:57	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 09:50	06/15/2015 14:57	SS
108-88-3	Toluene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 09:50	06/15/2015 14:57	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 09:50	06/15/2015 14:57	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 09:50	06/15/2015 14:57	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 09:50	06/15/2015 14:57	SS



Sample Information

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

York Sample ID: 15F0434-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0434

#150133 200 East 135th Street Bronx, NY

Soil

June 10, 2015 1:50 pm

06/11/2015

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 09:50	06/15/2015 14:57	SS
108-05-4	Vinyl acetate	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/15/2015 09:50	06/15/2015 14:57	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.0	4.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 09:50	06/15/2015 14:57	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	6.0	12	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 09:50	06/15/2015 14:57	SS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	105 %			77-125						
2037-26-5	Surrogate: Toluene-d8	102 %			85-120						
460-00-4	Surrogate: p-Bromofluorobenzene	92.0 %			76-130						

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:35	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:35	SR
62-53-3	Aniline	ND		ug/kg dry	191	382	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:35	SR
120-12-7	Anthracene	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:35	SR
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:35	SR
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:35	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:35	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:35	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:35	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:35	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:35	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:35	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:35	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:35	SR



Sample Information

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

York Sample ID: 15F0434-06

York Project (SDG) No.

Client Project ID

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15F0434

#150133 200 East 135th Street Bronx, NY

Soil

June 10, 2015 1:50 pm

06/11/2015

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:35	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:35	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:35	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:35	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:35	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:35	SR
218-01-9	Chrysene	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:35	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:35	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 06:50	06/12/2015 22:35	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:35	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: NELAC-NY10854	06/12/2015 06:50	06/12/2015 22:35	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: NELAC-NY10854	06/12/2015 06:50	06/12/2015 22:35	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: NELAC-NY10854	06/12/2015 06:50	06/12/2015 22:35	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:35	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:35	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:35	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:35	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:35	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	95.3	190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 06:50	06/12/2015 22:35	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	95.3	190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:35	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:35	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:35	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:35	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:35	SR



Sample Information

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

York Sample ID: 15F0434-06

York Project (SDG) No.

Client Project ID

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15F0434

#150133 200 East 135th Street Bronx, NY

Soil

June 10, 2015 1:50 pm

06/11/2015

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
206-44-0	Fluoranthene	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:35	SR
86-73-7	Fluorene	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:35	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:35	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:35	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:35	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:35	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:35	SR
78-59-1	Isophorone	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:35	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 06:50	06/12/2015 22:35	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:35	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 06:50	06/12/2015 22:35	SR
91-20-3	Naphthalene	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 06:50	06/12/2015 22:35	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	95.3	190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:35	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	95.3	190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:35	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	95.3	190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:35	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:35	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:35	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	95.3	190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:35	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:35	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 06:50	06/12/2015 22:35	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 06:50	06/12/2015 22:35	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:35	SR
85-01-8	Phenanthrene	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:35	SR
108-95-2	Phenol	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:35	SR



Sample Information

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

York Sample ID: 15F0434-06

York Project (SDG) No.

Client Project ID

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Collection Date/Time

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15F0434

#150133 200 East 135th Street Bronx, NY

Soil

June 10, 2015 1:50 pm

06/11/2015

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
129-00-0	Pyrene	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:35	SR
110-86-1	Pyridine	ND		ug/kg dry	191	382	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:35	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:35	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 06:50	06/12/2015 22:35	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 06:50	06/12/2015 22:35	SR
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: 2-Fluorophenol	73.9 %			10-95						
4165-62-2	Surrogate: Phenol-d5	86.6 %			10-107						
4165-60-0	Surrogate: Nitrobenzene-d5	62.0 %			10-95						
321-60-8	Surrogate: 2-Fluorobiphenyl	73.3 %			10-97						
118-79-6	Surrogate: 2,4,6-Tribromophenol	99.3 %			10-103						
1718-51-0	Surrogate: Terphenyl-d14	100 %	S-08		19-99						

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.89	1.89	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 14:13	AMC
72-55-9	4,4'-DDE	ND		ug/kg dry	1.89	1.89	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 14:13	AMC
50-29-3	4,4'-DDT	ND		ug/kg dry	1.89	1.89	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 14:13	AMC
309-00-2	Aldrin	ND		ug/kg dry	1.89	1.89	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 14:13	AMC
319-84-6	alpha-BHC	ND		ug/kg dry	1.89	1.89	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 14:13	AMC
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.89	1.89	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	06/12/2015 11:25	06/15/2015 14:13	AMC
319-85-7	beta-BHC	ND		ug/kg dry	1.89	1.89	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 14:13	AMC
57-74-9	Chlordane, total	ND		ug/kg dry	75.5	75.5	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 14:13	AMC
319-86-8	delta-BHC	ND		ug/kg dry	1.89	1.89	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 14:13	AMC
60-57-1	Dieldrin	ND		ug/kg dry	1.89	1.89	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 14:13	AMC
959-98-8	Endosulfan I	ND		ug/kg dry	1.89	1.89	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 14:13	AMC



Sample Information

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15F0434

#150133 200 East 135th Street Bronx, NY

Soil

June 10, 2015 1:50 pm

06/11/2015

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
33213-65-9	Endosulfan II	ND		ug/kg dry	1.89	1.89	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 14:13	AMC
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.89	1.89	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 14:13	AMC
72-20-8	Endrin	ND		ug/kg dry	1.89	1.89	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 14:13	AMC
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.89	1.89	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 14:13	AMC
53494-70-5	Endrin ketone	ND		ug/kg dry	1.89	1.89	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 11:25	06/15/2015 14:13	AMC
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.89	1.89	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 14:13	AMC
5103-74-2	gamma-Chlordane	ND		ug/kg dry	1.89	1.89	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	06/12/2015 11:25	06/15/2015 14:13	AMC
76-44-8	Heptachlor	ND		ug/kg dry	1.89	1.89	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 14:13	AMC
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.89	1.89	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 14:13	AMC
72-43-5	Methoxychlor	ND		ug/kg dry	9.43	9.43	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 14:13	AMC
8001-35-2	Toxaphene	ND		ug/kg dry	95.5	95.5	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/12/2015 11:25	06/15/2015 14:13	AMC
	Surrogate Recoveries	Result				Acceptance Range					
877-09-8	Surrogate: Tetrachloro-m-xylene	67.7 %				30-140					
2051-24-3	Surrogate: Decachlorobiphenyl	82.2 %				30-140					

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0190	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 16:16	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0190	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 16:16	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0190	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 16:16	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0190	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 16:16	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0190	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 16:16	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0190	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 16:16	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0190	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	06/12/2015 11:25	06/15/2015 16:16	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0190	0.0190	1	EPA 8082A Certifications:	06/12/2015 11:25	06/15/2015 16:16	AMC



Sample Information

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

York Sample ID: 15F0434-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0434

#150133 200 East 135th Street Bronx, NY

Soil

June 10, 2015 1:50 pm

06/11/2015

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
Surrogate Recoveries		Result	Acceptance Range								
877-09-8	Surrogate: Tetrachloro-m-xylene	96.1 %				30-140					
2051-24-3	Surrogate: Decachlorobiphenyl	84.1 %				30-140					

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	6060		mg/kg dry	5.72	5.72	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 12:28	06/15/2015 20:29	ALD
7440-36-0	Antimony	ND		mg/kg dry	0.572	0.572	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/15/2015 20:29	ALD
7440-38-2	Arsenic	ND		mg/kg dry	1.14	1.14	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/15/2015 20:29	ALD
7440-39-3	Barium	20.8		mg/kg dry	1.14	1.14	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/15/2015 20:29	ALD
7440-41-7	Beryllium	ND		mg/kg dry	0.114	0.114	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 12:28	06/15/2015 20:29	ALD
7440-43-9	Cadmium	ND		mg/kg dry	0.343	0.343	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/15/2015 20:29	ALD
7440-70-2	Calcium	959		mg/kg dry	0.572	5.72	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 12:28	06/15/2015 20:29	ALD
7440-47-3	Chromium	13.0		mg/kg dry	0.572	0.572	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/15/2015 20:29	ALD
7440-48-4	Cobalt	5.05		mg/kg dry	0.572	0.572	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 12:28	06/15/2015 20:29	ALD
7440-50-8	Copper	6.74		mg/kg dry	0.572	0.572	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 12:28	06/15/2015 20:29	ALD
7439-89-6	Iron	15700		mg/kg dry	2.29	2.29	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 12:28	06/15/2015 20:29	ALD
7439-92-1	Lead	7.52		mg/kg dry	0.343	0.343	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/15/2015 20:29	ALD
7439-95-4	Magnesium	1820		mg/kg dry	5.72	5.72	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 12:28	06/15/2015 20:29	ALD
7439-96-5	Manganese	89.3		mg/kg dry	0.572	0.572	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 12:28	06/15/2015 20:29	ALD
7440-02-0	Nickel	10.2		mg/kg dry	0.572	0.572	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/15/2015 20:29	ALD
7440-09-7	Potassium	1350		mg/kg dry	5.72	5.72	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 12:28	06/15/2015 20:29	ALD
7782-49-2	Selenium	ND		mg/kg dry	1.14	1.14	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/15/2015 20:29	ALD
7440-22-4	Silver	ND		mg/kg dry	0.572	0.572	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/15/2015 12:28	06/15/2015 20:29	ALD



Sample Information

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

York Sample ID: 15F0434-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0434

#150133 200 East 135th Street Bronx, NY

Soil

June 10, 2015 1:50 pm

06/11/2015

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	Sodium	331		mg/kg dry	11.4	11.4	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 12:28	06/15/2015 20:29	ALD
7440-28-0	Thallium	ND		mg/kg dry	1.14	1.14	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 12:28	06/15/2015 20:29	ALD
7440-62-2	Vanadium	19.0		mg/kg dry	1.14	1.14	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 12:28	06/15/2015 20:29	ALD
7440-66-6	Zinc	28.3		mg/kg dry	1.14	1.14	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/15/2015 12:28	06/15/2015 20:29	ALD

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0343	0.0343	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	06/12/2015 05:54	06/12/2015 13:45	ALD

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	87.5		%	0.100	0.100	1	SM 2540G Certifications: CTDOH	06/12/2015 09:45	06/12/2015 14:22	SCA

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.400	0.572	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854	06/16/2015 07:38	06/16/2015 13:43	SC

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	13.0		mg/kg	0.250	0.500	1	Calculation Certifications:	06/16/2015 13:44	06/16/2015 13:48	SC



Analytical Batch Summary

Batch ID: BF50611 **Preparation Method:** EPA 7473 soil **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
15F0434-01	SP-2 (0-2')	06/12/15
15F0434-02	SP-2 (10-12')	06/12/15
15F0434-03	SP-5 (0-2')	06/12/15
15F0434-04	SP-5 (10-12')	06/12/15
15F0434-05	SP-6 (0-2')	06/12/15
15F0434-06	SP-6 (10-12')	06/12/15
BF50611-BLK1	Blank	06/12/15
BF50611-SRM1	Reference	06/12/15

Batch ID: BF50613 **Preparation Method:** EPA 3550C **Prepared By:** TB

YORK Sample ID	Client Sample ID	Preparation Date
15F0434-01	SP-2 (0-2')	06/12/15
15F0434-02	SP-2 (10-12')	06/12/15
15F0434-03	SP-5 (0-2')	06/12/15
15F0434-04	SP-5 (10-12')	06/12/15
15F0434-05	SP-6 (0-2')	06/12/15
15F0434-06	SP-6 (10-12')	06/12/15
BF50613-BLK1	Blank	06/12/15
BF50613-BS1	LCS	06/12/15
BF50613-BSD1	LCS Dup	06/12/15

Batch ID: BF50622 **Preparation Method:** EPA 5035A **Prepared By:** BK

YORK Sample ID	Client Sample ID	Preparation Date
15F0434-01	SP-2 (0-2')	06/12/15
15F0434-02	SP-2 (10-12')	06/12/15
15F0434-03	SP-5 (0-2')	06/12/15
15F0434-04	SP-5 (10-12')	06/12/15
15F0434-05	SP-6 (0-2')	06/12/15
BF50622-BLK1	Blank	06/12/15
BF50622-BS1	LCS	06/12/15
BF50622-BSD1	LCS Dup	06/12/15

Batch ID: BF50631 **Preparation Method:** % Solids Prep **Prepared By:** KK

YORK Sample ID	Client Sample ID	Preparation Date
15F0434-01	SP-2 (0-2')	06/12/15
15F0434-02	SP-2 (10-12')	06/12/15
15F0434-03	SP-5 (0-2')	06/12/15
15F0434-04	SP-5 (10-12')	06/12/15
15F0434-05	SP-6 (0-2')	06/12/15
15F0434-06	SP-6 (10-12')	06/12/15



Batch ID: BF50640

Preparation Method: EPA 3550C

Prepared By: LEK

YORK Sample ID	Client Sample ID	Preparation Date
15F0434-01	SP-2 (0-2')	06/12/15
15F0434-01	SP-2 (0-2')	06/12/15
15F0434-02	SP-2 (10-12')	06/12/15
15F0434-02	SP-2 (10-12')	06/12/15
15F0434-03	SP-5 (0-2')	06/12/15
15F0434-03	SP-5 (0-2')	06/12/15
15F0434-04	SP-5 (10-12')	06/12/15
15F0434-04	SP-5 (10-12')	06/12/15
15F0434-05	SP-6 (0-2')	06/12/15
15F0434-05	SP-6 (0-2')	06/12/15
15F0434-06	SP-6 (10-12')	06/12/15
15F0434-06	SP-6 (10-12')	06/12/15
BF50640-BLK1	Blank	06/12/15
BF50640-BLK1	Blank	06/12/15
BF50640-BS1	LCS	06/12/15
BF50640-BS2	LCS	06/12/15
BF50640-BSD1	LCS Dup	06/12/15

Batch ID: BF50680

Preparation Method: EPA 5035A

Prepared By: BGS

YORK Sample ID	Client Sample ID	Preparation Date
15F0434-06	SP-6 (10-12')	06/15/15
BF50680-BLK1	Blank	06/15/15
BF50680-BS1	LCS	06/15/15
BF50680-BSD1	LCS Dup	06/15/15

Batch ID: BF50699

Preparation Method: EPA 3050B

Prepared By: ALD

YORK Sample ID	Client Sample ID	Preparation Date
15F0434-01	SP-2 (0-2')	06/15/15
15F0434-02	SP-2 (10-12')	06/15/15
15F0434-03	SP-5 (0-2')	06/15/15
15F0434-04	SP-5 (10-12')	06/15/15
15F0434-05	SP-6 (0-2')	06/15/15
15F0434-06	SP-6 (10-12')	06/15/15
BF50699-BLK1	Blank	06/15/15
BF50699-SRM1	Reference	06/15/15

Batch ID: BF50734

Preparation Method: EPA SW846-3060

Prepared By: SC

YORK Sample ID	Client Sample ID	Preparation Date
15F0434-01	SP-2 (0-2')	06/16/15
15F0434-02	SP-2 (10-12')	06/16/15
15F0434-03	SP-5 (0-2')	06/16/15
15F0434-04	SP-5 (10-12')	06/16/15
15F0434-05	SP-6 (0-2')	06/16/15
15F0434-06	SP-6 (10-12')	06/16/15



BF50734-BLK1 Blank 06/16/15
BF50734-SRM1 Reference 06/16/15

Batch ID: BF50776 **Preparation Method:** Analysis Preparation **Prepared By:** SC

YORK Sample ID	Client Sample ID	Preparation Date
15F0434-01	SP-2 (0-2')	06/16/15
15F0434-02	SP-2 (10-12')	06/16/15
15F0434-03	SP-5 (0-2')	06/16/15
15F0434-04	SP-5 (10-12')	06/16/15
15F0434-05	SP-6 (0-2')	06/16/15
15F0434-06	SP-6 (10-12')	06/16/15



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BF50622 - EPA 5035A

Blank (BF50622-BLK1)

Prepared & Analyzed: 06/12/2015

1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg wet								
1,1,1-Trichloroethane	ND	5.0	"								
1,1,2,2-Tetrachloroethane	ND	5.0	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"								
1,1,2-Trichloroethane	ND	5.0	"								
1,1-Dichloroethane	ND	5.0	"								
1,1-Dichloroethylene	ND	5.0	"								
1,1-Dichloropropylene	ND	5.0	"								
1,2,3-Trichlorobenzene	ND	5.0	"								
1,2,3-Trichloropropane	ND	5.0	"								
1,2,4-Trichlorobenzene	ND	5.0	"								
1,2,4-Trimethylbenzene	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	5.0	"								
1,2-Dibromoethane	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3,5-Trimethylbenzene	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
1,3-Dichloropropane	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
1,4-Dioxane	ND	100	"								
2,2-Dichloropropane	ND	5.0	"								
2-Butanone	ND	5.0	"								
2-Chlorotoluene	ND	5.0	"								
4-Chlorotoluene	ND	5.0	"								
Acetone	ND	10	"								
Benzene	ND	5.0	"								
Bromobenzene	ND	5.0	"								
Bromochloromethane	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								
Bromoform	ND	5.0	"								
Bromomethane	ND	5.0	"								
Carbon tetrachloride	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Chloroethane	ND	5.0	"								
Chloroform	ND	5.0	"								
Chloromethane	ND	5.0	"								
cis-1,2-Dichloroethylene	ND	5.0	"								
cis-1,3-Dichloropropylene	ND	5.0	"								
Dibromochloromethane	ND	5.0	"								
Dibromomethane	ND	5.0	"								
Dichlorodifluoromethane	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Hexachlorobutadiene	ND	5.0	"								
Isopropylbenzene	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								
Methylene chloride	ND	10	"								
Naphthalene	ND	10	"								
n-Butylbenzene	ND	5.0	"								
n-Propylbenzene	ND	5.0	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BF50622 - EPA 5035A

Blank (BF50622-BLK1)

Prepared & Analyzed: 06/12/2015

o-Xylene	ND	5.0	ug/kg wet								
p- & m- Xylenes	ND	10	"								
p-Isopropyltoluene	ND	5.0	"								
sec-Butylbenzene	ND	5.0	"								
Styrene	ND	5.0	"								
tert-Butylbenzene	ND	5.0	"								
Tetrachloroethylene	ND	5.0	"								
Toluene	ND	5.0	"								
trans-1,2-Dichloroethylene	ND	5.0	"								
trans-1,3-Dichloropropylene	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Trichlorofluoromethane	ND	5.0	"								
Vinyl acetate	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Xylenes, Total	ND	15	"								
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>51.3</i>		<i>ug/L</i>	<i>50.0</i>		<i>103</i>		<i>77-125</i>			
<i>Surrogate: Toluene-d8</i>	<i>48.9</i>		<i>"</i>	<i>50.0</i>		<i>97.7</i>		<i>85-120</i>			
<i>Surrogate: p-Bromofluorobenzene</i>	<i>50.1</i>		<i>"</i>	<i>50.0</i>		<i>100</i>		<i>76-130</i>			

LCS (BF50622-BS1)

Prepared & Analyzed: 06/12/2015

1,1,1,2-Tetrachloroethane	55.3		ug/L	50.0		111		75-129			
1,1,1-Trichloroethane	56.9		"	50.0		114		71-137			
1,1,2,2-Tetrachloroethane	48.5		"	50.0		97.1		79-129			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	62.5		"	50.0		125		58-146			
1,1,2-Trichloroethane	50.5		"	50.0		101		83-123			
1,1-Dichloroethane	55.6		"	50.0		111		75-130			
1,1-Dichloroethylene	60.8		"	50.0		122		64-137			
1,1-Dichloropropylene	56.2		"	50.0		112		77-127			
1,2,3-Trichlorobenzene	65.3		"	50.0		131		81-140			
1,2,3-Trichloropropane	48.0		"	50.0		95.9		81-126			
1,2,4-Trichlorobenzene	65.1		"	50.0		130		80-141			
1,2,4-Trimethylbenzene	52.6		"	50.0		105		84-125			
1,2-Dibromo-3-chloropropane	49.0		"	50.0		98.0		74-142			
1,2-Dibromoethane	52.4		"	50.0		105		86-123			
1,2-Dichlorobenzene	54.8		"	50.0		110		85-122			
1,2-Dichloroethane	58.1		"	50.0		116		71-133			
1,2-Dichloropropane	51.3		"	50.0		103		81-122			
1,3,5-Trimethylbenzene	52.6		"	50.0		105		82-126			
1,3-Dichlorobenzene	55.8		"	50.0		112		84-124			
1,3-Dichloropropane	51.2		"	50.0		102		83-123			
1,4-Dichlorobenzene	55.5		"	50.0		111		84-124			
1,4-Dioxane	887		"	1000		88.7		10-228			
2,2-Dichloropropane	60.4		"	50.0		121		67-136			
2-Butanone	56.2		"	50.0		112		58-147			
2-Chlorotoluene	50.8		"	50.0		102		78-127			
4-Chlorotoluene	51.1		"	50.0		102		79-125			
Acetone	58.0		"	50.0		116		36-155			
Benzene	55.2		"	50.0		110		77-127			
Bromobenzene	50.2		"	50.0		100		77-129			
Bromochloromethane	56.6		"	50.0		113		74-129			
Bromodichloromethane	52.9		"	50.0		106		81-124			
Bromoform	53.2		"	50.0		106		80-136			



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BF50622 - EPA 5035A

LCS (BF50622-BS1)

Prepared & Analyzed: 06/12/2015

Bromomethane	56.8		ug/L	50.0		114	32-177				
Carbon tetrachloride	57.9		"	50.0		116	66-143				
Chlorobenzene	54.3		"	50.0		109	86-120				
Chloroethane	56.2		"	50.0		112	51-142				
Chloroform	57.3		"	50.0		115	76-131				
Chloromethane	50.3		"	50.0		101	49-132				
cis-1,2-Dichloroethylene	57.0		"	50.0		114	74-132				
cis-1,3-Dichloropropylene	52.9		"	50.0		106	81-129				
Dibromochloromethane	54.0		"	50.0		108	10-200				
Dibromomethane	51.6		"	50.0		103	83-124				
Dichlorodifluoromethane	42.9		"	50.0		85.7	28-158				
Ethyl Benzene	54.8		"	50.0		110	84-125				
Hexachlorobutadiene	56.5		"	50.0		113	83-133				
Isopropylbenzene	53.1		"	50.0		106	81-127				
Methyl tert-butyl ether (MTBE)	53.9		"	50.0		108	74-131				
Methylene chloride	63.3		"	50.0		127	57-141				
Naphthalene	59.3		"	50.0		119	86-141				
n-Butylbenzene	56.9		"	50.0		114	80-130				
n-Propylbenzene	53.4		"	50.0		107	74-136				
o-Xylene	53.9		"	50.0		108	83-123				
p- & m- Xylenes	112		"	100		112	82-128				
p-Isopropyltoluene	54.8		"	50.0		110	85-125				
sec-Butylbenzene	54.1		"	50.0		108	83-125				
Styrene	54.9		"	50.0		110	86-126				
tert-Butylbenzene	52.8		"	50.0		106	80-127				
Tetrachloroethylene	54.9		"	50.0		110	80-129				
Toluene	53.0		"	50.0		106	85-121				
trans-1,2-Dichloroethylene	54.3		"	50.0		109	72-132				
trans-1,3-Dichloropropylene	53.5		"	50.0		107	78-132				
Trichloroethylene	51.5		"	50.0		103	84-123				
Trichlorofluoromethane	57.1		"	50.0		114	62-140				
Vinyl acetate	57.6		"	50.0		115	67-136				
Vinyl Chloride	55.5		"	50.0		111	52-130				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>52.8</i>		<i>"</i>	<i>50.0</i>		<i>106</i>	<i>77-125</i>				
<i>Surrogate: Toluene-d8</i>	<i>48.4</i>		<i>"</i>	<i>50.0</i>		<i>96.8</i>	<i>85-120</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>49.5</i>		<i>"</i>	<i>50.0</i>		<i>99.1</i>	<i>76-130</i>				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting		Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	
		Limit	Units						RPD	Limit
Batch BF50622 - EPA 5035A										
LCS Dup (BF50622-BSD1)										
Prepared & Analyzed: 06/12/2015										
1,1,1,2-Tetrachloroethane	56.5		ug/L	50.0		113	75-129		2.09	30
1,1,1-Trichloroethane	54.9		"	50.0		110	71-137		3.47	30
1,1,2,2-Tetrachloroethane	52.9		"	50.0		106	79-129		8.58	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	60.9		"	50.0		122	58-146		2.51	30
1,1,2-Trichloroethane	53.6		"	50.0		107	83-123		5.80	30
1,1-Dichloroethane	54.3		"	50.0		109	75-130		2.31	30
1,1-Dichloroethylene	59.4		"	50.0		119	64-137		2.40	30
1,1-Dichloropropylene	55.1		"	50.0		110	77-127		2.01	30
1,2,3-Trichlorobenzene	67.2		"	50.0		134	81-140		2.88	30
1,2,3-Trichloropropane	53.0		"	50.0		106	81-126		9.98	30
1,2,4-Trichlorobenzene	68.1		"	50.0		136	80-141		4.46	30
1,2,4-Trimethylbenzene	52.7		"	50.0		105	84-125		0.285	30
1,2-Dibromo-3-chloropropane	53.1		"	50.0		106	74-142		7.99	30
1,2-Dibromoethane	54.8		"	50.0		110	86-123		4.40	30
1,2-Dichlorobenzene	55.6		"	50.0		111	85-122		1.38	30
1,2-Dichloroethane	58.2		"	50.0		116	71-133		0.172	30
1,2-Dichloropropane	52.6		"	50.0		105	81-122		2.52	30
1,3,5-Trimethylbenzene	52.3		"	50.0		105	82-126		0.725	30
1,3-Dichlorobenzene	55.9		"	50.0		112	84-124		0.161	30
1,3-Dichloropropane	53.1		"	50.0		106	83-123		3.57	30
1,4-Dichlorobenzene	55.9		"	50.0		112	84-124		0.700	30
1,4-Dioxane	1080		"	1000		108	10-228		19.7	30
2,2-Dichloropropane	58.8		"	50.0		118	67-136		2.65	30
2-Butanone	69.6		"	50.0		139	58-147		21.3	30
2-Chlorotoluene	50.3		"	50.0		101	78-127		1.05	30
4-Chlorotoluene	51.0		"	50.0		102	79-125		0.157	30
Acetone	77.9		"	50.0		156	36-155	High Bias	29.3	30
Benzene	54.0		"	50.0		108	77-127		2.22	30
Bromobenzene	50.0		"	50.0		99.9	77-129		0.459	30
Bromochloromethane	57.8		"	50.0		116	74-129		1.96	30
Bromodichloromethane	53.6		"	50.0		107	81-124		1.41	30
Bromoform	54.4		"	50.0		109	80-136		2.29	30
Bromomethane	59.3		"	50.0		119	32-177		4.30	30
Carbon tetrachloride	55.7		"	50.0		111	66-143		3.93	30
Chlorobenzene	54.8		"	50.0		110	86-120		0.917	30
Chloroethane	55.6		"	50.0		111	51-142		1.02	30
Chloroform	55.7		"	50.0		111	76-131		2.96	30
Chloromethane	49.2		"	50.0		98.4	49-132		2.23	30
cis-1,2-Dichloroethylene	55.8		"	50.0		112	74-132		2.29	30
cis-1,3-Dichloropropylene	53.1		"	50.0		106	81-129		0.359	30
Dibromochloromethane	56.0		"	50.0		112	10-200		3.58	30
Dibromomethane	54.5		"	50.0		109	83-124		5.45	30
Dichlorodifluoromethane	42.7		"	50.0		85.4	28-158		0.421	30
Ethyl Benzene	55.2		"	50.0		110	84-125		0.710	30
Hexachlorobutadiene	55.1		"	50.0		110	83-133		2.56	30
Isopropylbenzene	52.0		"	50.0		104	81-127		2.02	30
Methyl tert-butyl ether (MTBE)	56.8		"	50.0		114	74-131		5.13	30
Methylene chloride	62.2		"	50.0		124	57-141		1.82	30
Naphthalene	65.6		"	50.0		131	86-141		10.0	30
n-Butylbenzene	56.3		"	50.0		113	80-130		1.06	30
n-Propylbenzene	52.7		"	50.0		105	74-136		1.41	30



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BF50622 - EPA 5035A

LCS Dup (BF50622-BSD1)

Prepared & Analyzed: 06/12/2015

o-Xylene	53.9		ug/L	50.0		108	83-123		0.00	30	
p- & m- Xylenes	112		"	100		112	82-128		0.116	30	
p-Isopropyltoluene	54.2		"	50.0		108	85-125		1.14	30	
sec-Butylbenzene	53.5		"	50.0		107	83-125		1.13	30	
Styrene	56.2		"	50.0		112	86-126		2.27	30	
tert-Butylbenzene	52.4		"	50.0		105	80-127		0.817	30	
Tetrachloroethylene	54.7		"	50.0		109	80-129		0.292	30	
Toluene	53.4		"	50.0		107	85-121		0.677	30	
trans-1,2-Dichloroethylene	54.0		"	50.0		108	72-132		0.554	30	
trans-1,3-Dichloropropylene	55.2		"	50.0		110	78-132		3.20	30	
Trichloroethylene	52.4		"	50.0		105	84-123		1.66	30	
Trichlorofluoromethane	55.2		"	50.0		110	62-140		3.44	30	
Vinyl acetate	60.0		"	50.0		120	67-136		4.15	30	
Vinyl Chloride	54.4		"	50.0		109	52-130		2.00	30	
Surrogate: 1,2-Dichloroethane-d4	53.7		"	50.0		107	77-125				
Surrogate: Toluene-d8	48.5		"	50.0		97.0	85-120				
Surrogate: p-Bromofluorobenzene	49.1		"	50.0		98.2	76-130				

Batch BF50680 - EPA 5035A

Blank (BF50680-BLK1)

Prepared & Analyzed: 06/15/2015

1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg wet								
1,1,1-Trichloroethane	ND	5.0	"								
1,1,2,2-Tetrachloroethane	ND	5.0	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"								
1,1,2-Trichloroethane	ND	5.0	"								
1,1-Dichloroethane	ND	5.0	"								
1,1-Dichloroethylene	ND	5.0	"								
1,1-Dichloropropylene	ND	5.0	"								
1,2,3-Trichlorobenzene	ND	5.0	"								
1,2,3-Trichloropropane	ND	5.0	"								
1,2,4-Trichlorobenzene	3.2	5.0	"								
1,2,4-Trimethylbenzene	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	5.0	"								
1,2-Dibromoethane	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3,5-Trimethylbenzene	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
1,3-Dichloropropane	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
1,4-Dioxane	ND	100	"								
2,2-Dichloropropane	ND	5.0	"								
2-Butanone	ND	5.0	"								
2-Chlorotoluene	ND	5.0	"								
4-Chlorotoluene	ND	5.0	"								
Acetone	ND	10	"								
Benzene	ND	5.0	"								
Bromobenzene	ND	5.0	"								
Bromochloromethane	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BF50680 - EPA 5035A

Blank (BF50680-BLK1)

Prepared & Analyzed: 06/15/2015

Bromoform	ND	5.0	ug/kg wet										
Bromomethane	ND	5.0	"										
Carbon tetrachloride	ND	5.0	"										
Chlorobenzene	ND	5.0	"										
Chloroethane	ND	5.0	"										
Chloroform	ND	5.0	"										
Chloromethane	ND	5.0	"										
cis-1,2-Dichloroethylene	ND	5.0	"										
cis-1,3-Dichloropropylene	ND	5.0	"										
Dibromochloromethane	ND	5.0	"										
Dibromomethane	ND	5.0	"										
Dichlorodifluoromethane	ND	5.0	"										
Ethyl Benzene	ND	5.0	"										
Hexachlorobutadiene	ND	5.0	"										
Isopropylbenzene	ND	5.0	"										
Methyl tert-butyl ether (MTBE)	ND	5.0	"										
Methylene chloride	ND	10	"										
Naphthalene	6.0	10	"										
n-Butylbenzene	ND	5.0	"										
n-Propylbenzene	ND	5.0	"										
o-Xylene	ND	5.0	"										
p- & m- Xylenes	ND	10	"										
p-Isopropyltoluene	ND	5.0	"										
sec-Butylbenzene	ND	5.0	"										
Styrene	ND	5.0	"										
tert-Butylbenzene	ND	5.0	"										
Tetrachloroethylene	ND	5.0	"										
Toluene	ND	5.0	"										
trans-1,2-Dichloroethylene	ND	5.0	"										
trans-1,3-Dichloropropylene	ND	5.0	"										
Trichloroethylene	ND	5.0	"										
Trichlorofluoromethane	ND	5.0	"										
Vinyl acetate	ND	5.0	"										
Vinyl Chloride	ND	5.0	"										
Xylenes, Total	ND	15	"										
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>51.8</i>		<i>ug/L</i>	<i>50.0</i>		<i>104</i>		<i>77-125</i>					
<i>Surrogate: Toluene-d8</i>	<i>48.4</i>		<i>"</i>	<i>50.0</i>		<i>96.7</i>		<i>85-120</i>					
<i>Surrogate: p-Bromofluorobenzene</i>	<i>46.5</i>		<i>"</i>	<i>50.0</i>		<i>92.9</i>		<i>76-130</i>					



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BF50680 - EPA 5035A

LCS (BF50680-BS1)

Prepared & Analyzed: 06/15/2015

1,1,1,2-Tetrachloroethane	54.4		ug/L	50.0		109	75-129			
1,1,1-Trichloroethane	56.5		"	50.0		113	71-137			
1,1,2,2-Tetrachloroethane	54.3		"	50.0		109	79-129			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	54.2		"	50.0		108	58-146			
1,1,2-Trichloroethane	52.3		"	50.0		105	83-123			
1,1-Dichloroethane	54.0		"	50.0		108	75-130			
1,1-Dichloroethylene	52.6		"	50.0		105	64-137			
1,1-Dichloropropylene	53.4		"	50.0		107	77-127			
1,2,3-Trichlorobenzene	53.6		"	50.0		107	81-140			
1,2,3-Trichloropropane	54.8		"	50.0		110	81-126			
1,2,4-Trichlorobenzene	56.2		"	50.0		112	80-141			
1,2,4-Trimethylbenzene	55.1		"	50.0		110	84-125			
1,2-Dibromo-3-chloropropane	54.7		"	50.0		109	74-142			
1,2-Dibromoethane	52.5		"	50.0		105	86-123			
1,2-Dichlorobenzene	54.2		"	50.0		108	85-122			
1,2-Dichloroethane	53.1		"	50.0		106	71-133			
1,2-Dichloropropane	52.8		"	50.0		106	81-122			
1,3,5-Trimethylbenzene	54.5		"	50.0		109	82-126			
1,3-Dichlorobenzene	54.6		"	50.0		109	84-124			
1,3-Dichloropropane	52.7		"	50.0		105	83-123			
1,4-Dichlorobenzene	54.0		"	50.0		108	84-124			
1,4-Dioxane	1120		"	1000		112	10-228			
2,2-Dichloropropane	55.1		"	50.0		110	67-136			
2-Butanone	59.8		"	50.0		120	58-147			
2-Chlorotoluene	54.8		"	50.0		110	78-127			
4-Chlorotoluene	54.1		"	50.0		108	79-125			
Acetone	57.0		"	50.0		114	36-155			
Benzene	53.0		"	50.0		106	77-127			
Bromobenzene	54.9		"	50.0		110	77-129			
Bromochloromethane	53.8		"	50.0		108	74-129			
Bromodichloromethane	54.4		"	50.0		109	81-124			
Bromoform	57.3		"	50.0		115	80-136			
Bromomethane	54.4		"	50.0		109	32-177			
Carbon tetrachloride	53.4		"	50.0		107	66-143			
Chlorobenzene	53.5		"	50.0		107	86-120			
Chloroethane	55.7		"	50.0		111	51-142			
Chloroform	53.1		"	50.0		106	76-131			
Chloromethane	42.4		"	50.0		84.8	49-132			
cis-1,2-Dichloroethylene	53.6		"	50.0		107	74-132			
cis-1,3-Dichloropropylene	55.4		"	50.0		111	81-129			
Dibromochloromethane	53.9		"	50.0		108	10-200			
Dibromomethane	50.8		"	50.0		102	83-124			
Dichlorodifluoromethane	48.5		"	50.0		97.0	28-158			
Ethyl Benzene	53.0		"	50.0		106	84-125			
Hexachlorobutadiene	52.6		"	50.0		105	83-133			
Isopropylbenzene	56.3		"	50.0		113	81-127			
Methyl tert-butyl ether (MTBE)	52.5		"	50.0		105	74-131			
Methylene chloride	53.5		"	50.0		107	57-141			
Naphthalene	52.1		"	50.0		104	86-141			
n-Butylbenzene	54.6		"	50.0		109	80-130			
n-Propylbenzene	54.5		"	50.0		109	74-136			



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BF50680 - EPA 5035A

LCS (BF50680-BS1)

Prepared & Analyzed: 06/15/2015

o-Xylene	51.5		ug/L	50.0		103	83-123				
p- & m- Xylenes	102		"	100		102	82-128				
p-Isopropyltoluene	55.3		"	50.0		111	85-125				
sec-Butylbenzene	54.7		"	50.0		109	83-125				
Styrene	52.3		"	50.0		105	86-126				
tert-Butylbenzene	57.3		"	50.0		115	80-127				
Tetrachloroethylene	54.4		"	50.0		109	80-129				
Toluene	53.3		"	50.0		107	85-121				
trans-1,2-Dichloroethylene	54.6		"	50.0		109	72-132				
trans-1,3-Dichloropropylene	55.1		"	50.0		110	78-132				
Trichloroethylene	54.3		"	50.0		109	84-123				
Trichlorofluoromethane	51.4		"	50.0		103	62-140				
Vinyl acetate	56.5		"	50.0		113	67-136				
Vinyl Chloride	50.9		"	50.0		102	52-130				
Surrogate: 1,2-Dichloroethane-d4	48.8		"	50.0		97.5	77-125				
Surrogate: Toluene-d8	47.9		"	50.0		95.7	85-120				
Surrogate: p-Bromofluorobenzene	51.0		"	50.0		102	76-130				

LCS Dup (BF50680-BSD1)

Prepared & Analyzed: 06/15/2015

1,1,1,2-Tetrachloroethane	55.0		ug/L	50.0		110	75-129		1.01	30	
1,1,1-Trichloroethane	54.7		"	50.0		109	71-137		3.16	30	
1,1,2,2-Tetrachloroethane	53.6		"	50.0		107	79-129		1.22	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	49.4		"	50.0		98.8	58-146		9.17	30	
1,1,2-Trichloroethane	50.7		"	50.0		101	83-123		3.07	30	
1,1-Dichloroethane	53.0		"	50.0		106	75-130		1.91	30	
1,1-Dichloroethylene	50.8		"	50.0		102	64-137		3.58	30	
1,1-Dichloropropylene	50.9		"	50.0		102	77-127		4.79	30	
1,2,3-Trichlorobenzene	50.7		"	50.0		101	81-140		5.49	30	
1,2,3-Trichloropropane	54.1		"	50.0		108	81-126		1.21	30	
1,2,4-Trichlorobenzene	53.3		"	50.0		107	80-141		5.19	30	
1,2,4-Trimethylbenzene	55.2		"	50.0		110	84-125		0.181	30	
1,2-Dibromo-3-chloropropane	55.0		"	50.0		110	74-142		0.529	30	
1,2-Dibromoethane	52.0		"	50.0		104	86-123		1.01	30	
1,2-Dichlorobenzene	54.3		"	50.0		109	85-122		0.277	30	
1,2-Dichloroethane	51.8		"	50.0		104	71-133		2.48	30	
1,2-Dichloropropane	52.4		"	50.0		105	81-122		0.685	30	
1,3,5-Trimethylbenzene	55.3		"	50.0		111	82-126		1.48	30	
1,3-Dichlorobenzene	54.0		"	50.0		108	84-124		1.01	30	
1,3-Dichloropropane	51.8		"	50.0		104	83-123		1.72	30	
1,4-Dichlorobenzene	53.4		"	50.0		107	84-124		1.06	30	
1,4-Dioxane	995		"	1000		99.5	10-228		11.7	30	
2,2-Dichloropropane	53.1		"	50.0		106	67-136		3.62	30	
2-Butanone	53.5		"	50.0		107	58-147		11.1	30	
2-Chlorotoluene	55.2		"	50.0		110	78-127		0.691	30	
4-Chlorotoluene	53.9		"	50.0		108	79-125		0.426	30	
Acetone	52.4		"	50.0		105	36-155		8.43	30	
Benzene	52.4		"	50.0		105	77-127		1.04	30	
Bromobenzene	53.8		"	50.0		108	77-129		2.04	30	
Bromochloromethane	53.2		"	50.0		106	74-129		1.10	30	
Bromodichloromethane	53.3		"	50.0		107	81-124		2.14	30	
Bromoform	55.9		"	50.0		112	80-136		2.45	30	
Bromomethane	50.5		"	50.0		101	32-177		7.45	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Spike	Source*	%REC	%REC	Limits	Flag	RPD	
		Limit							Units	Level
Batch BF50680 - EPA 5035A										
LCS Dup (BF50680-BSD1)										
Prepared & Analyzed: 06/15/2015										
Carbon tetrachloride	51.1		ug/L	50.0	102	66-143			4.48	30
Chlorobenzene	52.4		"	50.0	105	86-120			1.93	30
Chloroethane	54.3		"	50.0	109	51-142			2.49	30
Chloroform	52.2		"	50.0	104	76-131			1.69	30
Chloromethane	41.7		"	50.0	83.5	49-132			1.55	30
cis-1,2-Dichloroethylene	53.2		"	50.0	106	74-132			0.861	30
cis-1,3-Dichloropropylene	53.7		"	50.0	107	81-129			3.26	30
Dibromochloromethane	54.1		"	50.0	108	10-200			0.389	30
Dibromomethane	51.9		"	50.0	104	83-124			2.22	30
Dichlorodifluoromethane	46.1		"	50.0	92.1	28-158			5.12	30
Ethyl Benzene	53.1		"	50.0	106	84-125			0.264	30
Hexachlorobutadiene	53.4		"	50.0	107	83-133			1.58	30
Isopropylbenzene	57.4		"	50.0	115	81-127			1.86	30
Methyl tert-butyl ether (MTBE)	51.2		"	50.0	102	74-131			2.53	30
Methylene chloride	51.7		"	50.0	103	57-141			3.35	30
Naphthalene	50.8		"	50.0	102	86-141			2.55	30
n-Butylbenzene	55.0		"	50.0	110	80-130			0.766	30
n-Propylbenzene	55.3		"	50.0	111	74-136			1.42	30
o-Xylene	52.9		"	50.0	106	83-123			2.74	30
p- & m- Xylenes	104		"	100	104	82-128			1.89	30
p-Isopropyltoluene	54.6		"	50.0	109	85-125			1.20	30
sec-Butylbenzene	55.5		"	50.0	111	83-125			1.51	30
Styrene	53.5		"	50.0	107	86-126			2.14	30
tert-Butylbenzene	57.4		"	50.0	115	80-127			0.174	30
Tetrachloroethylene	54.2		"	50.0	108	80-129			0.258	30
Toluene	52.4		"	50.0	105	85-121			1.84	30
trans-1,2-Dichloroethylene	52.9		"	50.0	106	72-132			3.03	30
trans-1,3-Dichloropropylene	54.7		"	50.0	109	78-132			0.601	30
Trichloroethylene	52.9		"	50.0	106	84-123			2.58	30
Trichlorofluoromethane	49.8		"	50.0	99.6	62-140			3.22	30
Vinyl acetate	55.2		"	50.0	110	67-136			2.44	30
Vinyl Chloride	47.9		"	50.0	95.7	52-130			6.08	30
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>47.2</i>		<i>"</i>	<i>50.0</i>	<i>94.4</i>	<i>77-125</i>				
<i>Surrogate: Toluene-d8</i>	<i>49.4</i>		<i>"</i>	<i>50.0</i>	<i>98.9</i>	<i>85-120</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>50.9</i>		<i>"</i>	<i>50.0</i>	<i>102</i>	<i>76-130</i>				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BF50613 - EPA 3550C

Blank (BF50613-BLK1)

Prepared & Analyzed: 06/12/2015

Acenaphthene	ND	41.7	ug/kg wet								
Acenaphthylene	ND	41.7	"								
Aniline	ND	167	"								
Anthracene	ND	41.7	"								
Benzo(a)anthracene	ND	41.7	"								
Benzo(a)pyrene	ND	41.7	"								
Benzo(b)fluoranthene	ND	41.7	"								
Benzo(g,h,i)perylene	ND	41.7	"								
Benzo(k)fluoranthene	ND	41.7	"								
Benzyl alcohol	ND	41.7	"								
Benzyl butyl phthalate	ND	41.7	"								
4-Bromophenyl phenyl ether	ND	41.7	"								
4-Chloro-3-methylphenol	ND	41.7	"								
4-Chloroaniline	ND	41.7	"								
Bis(2-chloroethoxy)methane	ND	41.7	"								
Bis(2-chloroethyl)ether	ND	41.7	"								
Bis(2-chloroisopropyl)ether	ND	41.7	"								
2-Chloronaphthalene	ND	41.7	"								
2-Chlorophenol	ND	41.7	"								
4-Chlorophenyl phenyl ether	ND	41.7	"								
Chrysene	ND	41.7	"								
Dibenzo(a,h)anthracene	ND	41.7	"								
Dibenzofuran	ND	41.7	"								
Di-n-butyl phthalate	ND	41.7	"								
1,3-Dichlorobenzene	ND	41.7	"								
1,4-Dichlorobenzene	ND	41.7	"								
1,2-Dichlorobenzene	ND	41.7	"								
3,3'-Dichlorobenzidine	ND	41.7	"								
2,4-Dichlorophenol	ND	41.7	"								
Diethyl phthalate	ND	41.7	"								
2,4-Dimethylphenol	ND	41.7	"								
Dimethyl phthalate	ND	41.7	"								
4,6-Dinitro-2-methylphenol	ND	83.3	"								
2,4-Dinitrophenol	ND	83.3	"								
2,4-Dinitrotoluene	ND	41.7	"								
2,6-Dinitrotoluene	ND	41.7	"								
Di-n-octyl phthalate	ND	41.7	"								
Bis(2-ethylhexyl)phthalate	ND	41.7	"								
Fluoranthene	ND	41.7	"								
Fluorene	ND	41.7	"								
Hexachlorobenzene	ND	41.7	"								
Hexachlorobutadiene	ND	41.7	"								
Hexachlorocyclopentadiene	ND	41.7	"								
Hexachloroethane	ND	41.7	"								
Indeno(1,2,3-cd)pyrene	ND	41.7	"								
Isophorone	ND	41.7	"								
2-Methylnaphthalene	ND	41.7	"								
2-Methylphenol	ND	41.7	"								
3- & 4-Methylphenols	ND	41.7	"								
Naphthalene	ND	41.7	"								
3-Nitroaniline	ND	83.3	"								



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BF50613 - EPA 3550C

Blank (BF50613-BLK1)

Prepared & Analyzed: 06/12/2015

2-Nitroaniline	ND	83.3	ug/kg wet								
4-Nitroaniline	ND	83.3	"								
Nitrobenzene	ND	41.7	"								
2-Nitrophenol	ND	41.7	"								
4-Nitrophenol	ND	83.3	"								
N-nitroso-di-n-propylamine	ND	41.7	"								
N-Nitrosodimethylamine	ND	41.7	"								
N-Nitrosodiphenylamine	ND	41.7	"								
Pentachlorophenol	ND	41.7	"								
Phenanthrene	ND	41.7	"								
Phenol	ND	41.7	"								
Pyrene	ND	41.7	"								
Pyridine	ND	167	"								
1,2,4-Trichlorobenzene	ND	41.7	"								
2,4,6-Trichlorophenol	ND	41.7	"								
2,4,5-Trichlorophenol	ND	41.7	"								
<i>Surrogate: 2-Fluorophenol</i>	<i>1370</i>		<i>"</i>	<i>2500</i>		<i>54.7</i>	<i>10-95</i>				
<i>Surrogate: Phenol-d5</i>	<i>1440</i>		<i>"</i>	<i>2510</i>		<i>57.3</i>	<i>10-107</i>				
<i>Surrogate: Nitrobenzene-d5</i>	<i>925</i>		<i>"</i>	<i>1670</i>		<i>55.4</i>	<i>10-95</i>				
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>905</i>		<i>"</i>	<i>1670</i>		<i>54.3</i>	<i>10-97</i>				
<i>Surrogate: 2,4,6-Tribromophenol</i>	<i>1280</i>		<i>"</i>	<i>2500</i>		<i>51.1</i>	<i>10-103</i>				
<i>Surrogate: Terphenyl-d14</i>	<i>855</i>		<i>"</i>	<i>1670</i>		<i>51.1</i>	<i>19-99</i>				

LCS (BF50613-BS1)

Prepared & Analyzed: 06/12/2015

Acenaphthene	1030	41.7	ug/kg wet	1670		61.5	17-124				
Acenaphthylene	1040	41.7	"	1670		62.2	16-124				
Aniline	746	167	"	1670		44.8	10-111				
Anthracene	1000	41.7	"	1670		60.0	24-124				
Benzo(a)anthracene	1030	41.7	"	1670		61.7	25-134				
Benzo(a)pyrene	1210	41.7	"	1670		72.5	29-144				
Benzo(b)fluoranthene	1450	41.7	"	1670		87.1	20-151				
Benzo(g,h,i)perylene	1160	41.7	"	1670		69.5	10-153				
Benzo(k)fluoranthene	759	41.7	"	1670		45.6	10-148				
Benzyl alcohol	981	41.7	"	1670		58.9	17-128				
Benzyl butyl phthalate	1250	41.7	"	1670		75.0	10-132				
4-Bromophenyl phenyl ether	912	41.7	"	1670		54.7	30-138				
4-Chloro-3-methylphenol	1040	41.7	"	1670		62.6	16-138				
4-Chloroaniline	1270	41.7	"	1670		76.1	10-117				
Bis(2-chloroethoxy)methane	919	41.7	"	1670		55.2	10-129				
Bis(2-chloroethyl)ether	951	41.7	"	1670		57.1	14-125				
Bis(2-chloroisopropyl)ether	914	41.7	"	1670		54.9	14-122				
2-Chloronaphthalene	1020	41.7	"	1670		61.0	22-115				
2-Chlorophenol	923	41.7	"	1670		55.4	25-121				
4-Chlorophenyl phenyl ether	963	41.7	"	1670		57.8	18-132				
Chrysene	1030	41.7	"	1670		61.9	24-116				
Dibenzo(a,h)anthracene	1100	41.7	"	1670		66.3	17-147				
Dibenzofuran	985	41.7	"	1670		59.1	23-123				
Di-n-butyl phthalate	1070	41.7	"	1670		64.3	19-123				
1,3-Dichlorobenzene	829	41.7	"	1670		49.7	32-113				
1,4-Dichlorobenzene	899	41.7	"	1670		53.9	28-111				
1,2-Dichlorobenzene	880	41.7	"	1670		52.8	26-113				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BF50613 - EPA 3550C

LCS (BF50613-BS1)

Prepared & Analyzed: 06/12/2015

3,3'-Dichlorobenzidine	1580	41.7	ug/kg wet	1670		94.9	10-147				
2,4-Dichlorophenol	991	41.7	"	1670		59.5	23-133				
Diethyl phthalate	1140	41.7	"	1670		68.6	23-122				
2,4-Dimethylphenol	938	41.7	"	1670		56.3	15-131				
Dimethyl phthalate	1210	41.7	"	1670		72.8	28-127				
4,6-Dinitro-2-methylphenol	688	83.3	"	1670		41.3	10-149				
2,4-Dinitrophenol	828	83.3	"	1670		49.7	10-149				
2,4-Dinitrotoluene	1270	41.7	"	1670		76.1	30-123				
2,6-Dinitrotoluene	1310	41.7	"	1670		78.4	30-125				
Di-n-octyl phthalate	1210	41.7	"	1670		72.5	10-132				
Bis(2-ethylhexyl)phthalate	1170	41.7	"	1670		70.1	10-141				
Fluoranthene	1070	41.7	"	1670		64.0	36-125				
Fluorene	1030	41.7	"	1670		62.0	16-130				
Hexachlorobenzene	911	41.7	"	1670		54.7	10-129				
Hexachlorobutadiene	879	41.7	"	1670		52.8	22-153				
Hexachlorocyclopentadiene	821	41.7	"	1670		49.3	10-134				
Hexachloroethane	835	41.7	"	1670		50.1	20-112				
Indeno(1,2,3-cd)pyrene	1100	41.7	"	1670		66.3	10-155				
Isophorone	1010	41.7	"	1670		60.7	14-131				
2-Methylnaphthalene	961	41.7	"	1670		57.7	16-127				
2-Methylphenol	819	41.7	"	1670		49.1	10-146				
3- & 4-Methylphenols	869	41.7	"	1670		52.1	20-109				
Naphthalene	908	41.7	"	1670		54.5	20-121				
3-Nitroaniline	1220	83.3	"	1670		73.4	23-123				
2-Nitroaniline	1170	83.3	"	1670		69.9	24-126				
4-Nitroaniline	1050	83.3	"	1670		63.1	14-125				
Nitrobenzene	902	41.7	"	1670		54.1	20-121				
2-Nitrophenol	889	41.7	"	1670		53.3	17-129				
4-Nitrophenol	115	83.3	"	1670		6.92	10-136	Low Bias			
N-nitroso-di-n-propylamine	957	41.7	"	1670		57.4	21-119				
N-Nitrosodimethylamine	817	41.7	"	1670		49.0	10-124				
N-Nitrosodiphenylamine	987	41.7	"	1670		59.2	10-163				
Pentachlorophenol	803	41.7	"	1670		48.2	10-143				
Phenanthrene	1050	41.7	"	1670		63.1	24-123				
Phenol	841	41.7	"	1670		50.5	15-123				
Pyrene	1200	41.7	"	1670		72.2	24-132				
Pyridine	580	167	"	1670		34.8	10-92				
1,2,4-Trichlorobenzene	895	41.7	"	1670		53.7	23-130				
2,4,6-Trichlorophenol	1130	41.7	"	1670		68.0	27-122				
2,4,5-Trichlorophenol	996	41.7	"	1670		59.8	14-138				
Surrogate: 2-Fluorophenol	1490		"	2500		59.4	10-95				
Surrogate: Phenol-d5	1380		"	2510		55.1	10-107				
Surrogate: Nitrobenzene-d5	978		"	1670		58.5	10-95				
Surrogate: 2-Fluorobiphenyl	982		"	1670		58.9	10-97				
Surrogate: 2,4,6-Tribromophenol	1200		"	2500		48.1	30-130				
Surrogate: Terphenyl-d14	1060		"	1670		63.2	19-99				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BF50613 - EPA 3550C

LCS Dup (BF50613-BSD1)

Prepared & Analyzed: 06/12/2015

Acenaphthene	936	41.7	ug/kg wet	1670		56.2	17-124		9.14	30	
Acenaphthylene	995	41.7	"	1670		59.7	16-124		4.07	30	
Aniline	722	167	"	1670		43.3	10-111		3.31	30	
Anthracene	952	41.7	"	1670		57.1	24-124		4.99	30	
Benzo(a)anthracene	995	41.7	"	1670		59.7	25-134		3.29	30	
Benzo(a)pyrene	1140	41.7	"	1670		68.3	29-144		6.00	30	
Benzo(b)fluoranthene	1290	41.7	"	1670		77.2	20-151		12.0	30	
Benzo(g,h,i)perylene	1060	41.7	"	1670		63.3	10-153		9.25	30	
Benzo(k)fluoranthene	809	41.7	"	1670		48.5	10-148		6.33	30	
Benzyl alcohol	936	41.7	"	1670		56.1	17-128		4.76	30	
Benzyl butyl phthalate	1150	41.7	"	1670		69.2	10-132		8.10	30	
4-Bromophenyl phenyl ether	871	41.7	"	1670		52.2	30-138		4.67	30	
4-Chloro-3-methylphenol	1050	41.7	"	1670		63.2	16-138		0.986	30	
4-Chloroaniline	1230	41.7	"	1670		74.1	10-117		2.72	30	
Bis(2-chloroethoxy)methane	882	41.7	"	1670		52.9	10-129		4.18	30	
Bis(2-chloroethyl)ether	877	41.7	"	1670		52.6	14-125		8.17	30	
Bis(2-chloroisopropyl)ether	868	41.7	"	1670		52.1	14-122		5.16	30	
2-Chloronaphthalene	964	41.7	"	1670		57.9	22-115		5.25	30	
2-Chlorophenol	879	41.7	"	1670		52.7	25-121		4.88	30	
4-Chlorophenyl phenyl ether	963	41.7	"	1670		57.8	18-132		0.0692	30	
Chrysene	945	41.7	"	1670		56.7	24-116		8.74	30	
Dibenzo(a,h)anthracene	1010	41.7	"	1670		60.8	17-147		8.63	30	
Dibenzofuran	928	41.7	"	1670		55.7	23-123		5.96	30	
Di-n-butyl phthalate	1020	41.7	"	1670		61.2	19-123		4.97	30	
1,3-Dichlorobenzene	803	41.7	"	1670		48.2	32-113		3.19	30	
1,4-Dichlorobenzene	846	41.7	"	1670		50.8	28-111		6.00	30	
1,2-Dichlorobenzene	861	41.7	"	1670		51.7	26-113		2.18	30	
3,3'-Dichlorobenzidine	1510	41.7	"	1670		90.7	10-147		4.53	30	
2,4-Dichlorophenol	971	41.7	"	1670		58.3	23-133		2.04	30	
Diethyl phthalate	1110	41.7	"	1670		66.7	23-122		2.81	30	
2,4-Dimethylphenol	892	41.7	"	1670		53.5	15-131		4.95	30	
Dimethyl phthalate	1180	41.7	"	1670		71.1	28-127		2.34	30	
4,6-Dinitro-2-methylphenol	715	83.3	"	1670		42.9	10-149		3.80	30	
2,4-Dinitrophenol	871	83.3	"	1670		52.3	10-149		5.10	30	
2,4-Dinitrotoluene	1260	41.7	"	1670		75.7	30-123		0.501	30	
2,6-Dinitrotoluene	1260	41.7	"	1670		75.8	30-125		3.40	30	
Di-n-octyl phthalate	1160	41.7	"	1670		69.7	10-132		3.94	30	
Bis(2-ethylhexyl)phthalate	1160	41.7	"	1670		69.6	10-141		0.601	30	
Fluoranthene	1000	41.7	"	1670		60.2	36-125		6.18	30	
Fluorene	994	41.7	"	1670		59.7	16-130		3.88	30	
Hexachlorobenzene	894	41.7	"	1670		53.6	10-129		1.92	30	
Hexachlorobutadiene	877	41.7	"	1670		52.6	22-153		0.228	30	
Hexachlorocyclopentadiene	767	41.7	"	1670		46.0	10-134		6.76	30	
Hexachloroethane	825	41.7	"	1670		49.5	20-112		1.29	30	
Indeno(1,2,3-cd)pyrene	1020	41.7	"	1670		61.2	10-155		8.00	30	
Isophorone	942	41.7	"	1670		56.5	14-131		7.10	30	
2-Methylnaphthalene	929	41.7	"	1670		55.7	16-127		3.42	30	
2-Methylphenol	776	41.7	"	1670		46.5	10-146		5.43	30	
3- & 4-Methylphenols	859	41.7	"	1670		51.6	20-109		1.08	30	
Naphthalene	892	41.7	"	1670		53.5	20-121		1.74	30	
3-Nitroaniline	1190	83.3	"	1670		71.7	23-123		2.34	30	



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BF50613 - EPA 3550C

LCS Dup (BF50613-BSD1)

Prepared & Analyzed: 06/12/2015

2-Nitroaniline	1120	83.3	ug/kg wet	1670		67.3	24-126		3.88	30	
4-Nitroaniline	1050	83.3	"	1670		63.0	14-125		0.0952	30	
Nitrobenzene	847	41.7	"	1670		50.8	20-121		6.29	30	
2-Nitrophenol	837	41.7	"	1670		50.2	17-129		6.07	30	
4-Nitrophenol	113	83.3	"	1670		6.78	10-136	Low Bias	2.04	30	
N-nitroso-di-n-propylamine	893	41.7	"	1670		53.6	21-119		6.92	30	
N-Nitrosodimethylamine	872	41.7	"	1670		52.3	10-124		6.51	30	
N-Nitrosodiphenylamine	972	41.7	"	1670		58.3	10-163		1.57	30	
Pentachlorophenol	783	41.7	"	1670		47.0	10-143		2.44	30	
Phenanthrene	966	41.7	"	1670		58.0	24-123		8.43	30	
Phenol	800	41.7	"	1670		48.0	15-123		5.04	30	
Pyrene	1150	41.7	"	1670		69.3	24-132		4.10	30	
Pyridine	571	167	"	1670		34.2	10-92		1.68	30	
1,2,4-Trichlorobenzene	859	41.7	"	1670		51.6	23-130		4.10	30	
2,4,6-Trichlorophenol	1080	41.7	"	1670		64.7	27-122		5.03	30	
2,4,5-Trichlorophenol	948	41.7	"	1670		56.9	14-138		4.97	30	
<i>Surrogate: 2-Fluorophenol</i>	<i>1410</i>		<i>"</i>	<i>2500</i>		<i>56.3</i>	<i>10-95</i>				
<i>Surrogate: Phenol-d5</i>	<i>1290</i>		<i>"</i>	<i>2510</i>		<i>51.3</i>	<i>10-107</i>				
<i>Surrogate: Nitrobenzene-d5</i>	<i>907</i>		<i>"</i>	<i>1670</i>		<i>54.3</i>	<i>10-95</i>				
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>906</i>		<i>"</i>	<i>1670</i>		<i>54.4</i>	<i>10-97</i>				
<i>Surrogate: 2,4,6-Tribromophenol</i>	<i>1140</i>		<i>"</i>	<i>2500</i>		<i>45.8</i>	<i>30-130</i>				
<i>Surrogate: Terphenyl-d14</i>	<i>1000</i>		<i>"</i>	<i>1670</i>		<i>59.9</i>	<i>19-99</i>				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BF50640 - EPA 3550C

Blank (BF50640-BLK1)

Prepared: 06/12/2015 Analyzed: 06/15/2015

4,4'-DDD	ND	0.330	ug/kg wet								
4,4'-DDE	ND	0.330	"								
4,4'-DDT	ND	0.330	"								
Aldrin	ND	0.330	"								
alpha-BHC	ND	0.330	"								
alpha-Chlordane	ND	0.330	"								
beta-BHC	ND	0.330	"								
Chlordane, total	ND	13.2	"								
delta-BHC	ND	0.330	"								
Dieldrin	ND	0.330	"								
Endosulfan I	ND	0.330	"								
Endosulfan II	ND	0.330	"								
Endosulfan sulfate	ND	0.330	"								
Endrin	ND	0.330	"								
Endrin aldehyde	ND	0.330	"								
Endrin ketone	ND	0.330	"								
gamma-BHC (Lindane)	ND	0.330	"								
gamma-Chlordane	ND	0.330	"								
Heptachlor	ND	0.330	"								
Heptachlor epoxide	ND	0.330	"								
Methoxychlor	ND	1.65	"								
Toxaphene	ND	16.7	"								
<i>Surrogate: Tetrachloro-m-xylene</i>	45.5		"	67.7		67.3		30-140			
<i>Surrogate: Decachlorobiphenyl</i>	48.8		"	67.0		72.8		30-140			

LCS (BF50640-BS1)

Prepared: 06/12/2015 Analyzed: 06/15/2015

4,4'-DDD	28.4	0.330	ug/kg wet	33.3		85.3		40-140			
4,4'-DDE	24.5	0.330	"	33.3		73.4		40-140			
4,4'-DDT	28.9	0.330	"	33.3		86.6		40-140			
Aldrin	24.1	0.330	"	33.3		72.3		40-140			
alpha-BHC	26.1	0.330	"	33.3		78.3		40-140			
alpha-Chlordane	24.3	0.330	"	33.3		72.9		40-140			
beta-BHC	28.5	0.330	"	33.3		85.6		40-140			
delta-BHC	28.0	0.330	"	33.3		83.9		40-140			
Dieldrin	25.9	0.330	"	33.3		77.7		40-140			
Endosulfan I	27.1	0.330	"	33.3		81.3		40-140			
Endosulfan II	26.4	0.330	"	33.3		79.1		40-140			
Endosulfan sulfate	26.7	0.330	"	33.3		80.1		40-140			
Endrin	28.0	0.330	"	33.3		83.9		40-140			
Endrin aldehyde	25.2	0.330	"	33.3		75.7		40-140			
Endrin ketone	37.8	0.330	"	33.3		113		40-140			
gamma-BHC (Lindane)	26.5	0.330	"	33.3		79.4		40-140			
gamma-Chlordane	24.0	0.330	"	33.3		72.1		40-140			
Heptachlor	21.7	0.330	"	33.3		65.2		40-140			
Heptachlor epoxide	24.1	0.330	"	33.3		72.2		40-140			
Methoxychlor	27.1	1.65	"	33.3		81.4		40-140			
<i>Surrogate: Tetrachloro-m-xylene</i>	44.2		"	67.7		65.3		30-140			
<i>Surrogate: Decachlorobiphenyl</i>	53.4		"	67.0		79.7		30-140			



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	
		Limit			Result					%REC	RPD
Batch BF50640 - EPA 3550C											
LCS Dup (BF50640-BSD1)											
										Prepared: 06/12/2015 Analyzed: 06/15/2015	
4,4'-DDD	31.6	0.330	ug/kg wet	33.3		94.7		40-140		10.5	30
4,4'-DDE	27.4	0.330	"	33.3		82.2		40-140		11.3	30
4,4'-DDT	32.0	0.330	"	33.3		95.9		40-140		10.2	30
Aldrin	27.0	0.330	"	33.3		81.2		40-140		11.5	30
alpha-BHC	29.6	0.330	"	33.3		88.7		40-140		12.4	30
alpha-Chlordane	26.8	0.330	"	33.3		80.4		40-140		9.70	30
beta-BHC	32.2	0.330	"	33.3		96.6		40-140		12.0	30
delta-BHC	31.5	0.330	"	33.3		94.4		40-140		11.7	30
Dieldrin	28.8	0.330	"	33.3		86.3		40-140		10.4	30
Endosulfan I	30.1	0.330	"	33.3		90.3		40-140		10.5	30
Endosulfan II	29.9	0.330	"	33.3		89.6		40-140		12.5	30
Endosulfan sulfate	29.3	0.330	"	33.3		87.9		40-140		9.24	30
Endrin	31.1	0.330	"	33.3		93.3		40-140		10.5	30
Endrin aldehyde	27.7	0.330	"	33.3		83.1		40-140		9.33	30
Endrin ketone	40.6	0.330	"	33.3		122		40-140		7.09	30
gamma-BHC (Lindane)	29.7	0.330	"	33.3		89.1		40-140		11.5	30
gamma-Chlordane	26.4	0.330	"	33.3		79.3		40-140		9.58	30
Heptachlor	24.5	0.330	"	33.3		73.6		40-140		12.1	30
Heptachlor epoxide	26.7	0.330	"	33.3		80.1		40-140		10.4	30
Methoxychlor	29.7	1.65	"	33.3		89.0		40-140		8.88	30
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>48.0</i>		<i>"</i>	<i>67.7</i>		<i>70.9</i>		<i>30-140</i>			
<i>Surrogate: Decachlorobiphenyl</i>	<i>50.1</i>		<i>"</i>	<i>67.0</i>		<i>74.8</i>		<i>30-140</i>			



Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BF50640 - EPA 3550C

Blank (BF50640-BLK1)

Prepared: 06/12/2015 Analyzed: 06/15/2015

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

<i>Surrogate: Tetrachloro-m-xylene</i>	<i>0.0600</i>		<i>"</i>	<i>0.0677</i>	<i>88.7</i>	<i>30-140</i>							
<i>Surrogate: Decachlorobiphenyl</i>	<i>0.0563</i>		<i>"</i>	<i>0.0670</i>	<i>84.1</i>	<i>30-140</i>							

LCS (BF50640-BS2)

Prepared: 06/12/2015 Analyzed: 06/15/2015

Aroclor 1016	0.318	0.0167	mg/kg wet	0.333	95.4	40-130							
Aroclor 1260	0.311	0.0167	"	0.333	93.4	40-130							
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>0.0537</i>		<i>"</i>	<i>0.0677</i>	<i>79.3</i>	<i>30-140</i>							
<i>Surrogate: Decachlorobiphenyl</i>	<i>0.0490</i>		<i>"</i>	<i>0.0670</i>	<i>73.1</i>	<i>30-140</i>							



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

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

Batch BF50699 - EPA 3050B

Blank (BF50699-BLK1)

Prepared & Analyzed: 06/15/2015

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

Reference (BF50699-SRM1)

Prepared & Analyzed: 06/15/2015

Aluminum	7860	5.00	mg/kg wet	8740	90.0	41.6-158
Antimony	90.8	0.500	"	108	84.1	23-255
Arsenic	131	1.00	"	151	86.8	70.9-130
Barium	267	1.00	"	262	102	73.7-126
Beryllium	128	0.100	"	133	96.1	75.1-125
Cadmium	128	0.300	"	152	84.4	73-126
Calcium	6210	5.00	"	6400	97.0	73.9-126
Chromium	118	0.500	"	117	101	69.7-130
Cobalt	68.4	0.500	"	68.7	99.6	74.4-126
Copper	74.2	0.500	"	68.6	108	73.2-129
Iron	12400	2.00	"	12300	101	30.5-170
Lead	211	0.300	"	254	83.2	75.6-125
Magnesium	3360	5.00	"	3600	93.4	68.3-132
Manganese	552	0.500	"	563	98.0	77.4-123
Nickel	314	0.500	"	315	99.8	74.3-127
Potassium	2820	5.00	"	3040	92.9	62.5-137
Selenium	143	1.00	"	162	88.3	67.3-132
Silver	42.8	0.500	"	44.3	96.7	66.4-124
Sodium	771	10.0	"	746	103	56.8-143
Thallium	218	1.00	"	259	84.1	69.5-131
Vanadium	112	1.00	"	116	96.8	67.5-132
Zinc	292	1.00	"	306	95.4	71.9-133



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 BF50611 - EPA 7473 soil											
Blank (BF50611-BLK1)										Prepared & Analyzed: 06/12/2015	
Mercury	ND	0.0300	mg/kg wet								
Reference (BF50611-SRM1)										Prepared & Analyzed: 06/12/2015	
Mercury	5.0094		mg/kg	5.76		87.0	71.2-129				



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC Limits	Flag	RPD RPD	RPD Limit	Flag
Batch BF50734 - EPA SW846-3060										
Blank (BF50734-BLK1)							Prepared & Analyzed: 06/16/2015			
Chromium, Hexavalent	ND	0.500	mg/kg wet							
Reference (BF50734-SRM1)							Prepared & Analyzed: 06/16/2015			
Chromium, Hexavalent	90.8		mg/L	97.4		93.2	26.6-178			



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
15F0434-01	SP-2 (0-2')	40mL Vial with Stir Bar-Cool 4° C
15F0434-02	SP-2 (10-12')	40mL Vial with Stir Bar-Cool 4° C
15F0434-03	SP-5 (0-2')	40mL Vial with Stir Bar-Cool 4° C
15F0434-04	SP-5 (10-12')	40mL Vial with Stir Bar-Cool 4° C
15F0434-05	SP-6 (0-2')	40mL Vial with Stir Bar-Cool 4° C
15F0434-06	SP-6 (10-12')	40mL Vial with Stir Bar-Cool 4° C



Notes and Definitions

SCAL-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%).
S-08	The recovery of this surrogate was outside of QC limits.
QL-03	This LCS analyte recovered outside of acceptance limits. The LCS contains approximately 70 compounds, a limited number of which may be outside acceptance windows.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <10x the blank value as artifact.
<hr/>	
*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

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



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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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



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Field Chain-of-Custody Record

NOTE: York's Std. Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions.

York Project No. 1570434

YOUR Information		Report to:	Invoice To:	Your Project ID	Turn-Around Time	Report/Deliverable Type
Company: Hydro Tech Env Corp	SAME <input checked="" type="checkbox"/>	SAME <input type="checkbox"/>	SAME <input type="checkbox"/>	#150133 200 East 135th Street Bronx, NY	RUSH-Same Day	Summary Report <input checked="" type="checkbox"/>
Address: 15 Ocean Ave, 2nd Floor Brooklyn NY 11225	Name:	Name: Muslima Ward	Company: Hydro Tech Env	Purchase Order #	RUSH-Next Day	QA Report <input checked="" type="checkbox"/>
Phone.: (718) 636-0800	Company:	Address: 77 Arkay Drive Suite G Hauppauge, NY 11788	Address:	5880	RUSH-Two Day	CT RCP
Contact: Morgan Violette	Address:	E-mail: <u>mward@hydrotechenviro</u>	E-mail:	Samples from CT_NY_X_NJ	RUSH-Three Day	CT RCP DQA/DUE Pkg
E-mail: <u>mviolette@hydrotechenvironmental.com</u>	E-mail:				RUSH-Four Day <input checked="" type="checkbox"/>	NY ASP A Package
					Standard (5-7day)	NY ASP B Package
						NJDEP Reduced Deliv

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.

Adriana Zapata A.
Samples Collected/Authorized By (Signature)
Adriana Zapata
Name (printed)

Matrix Codes
 S - soil
 Other - specify (oil, etc.)
 WW - wastewater
 GW - groundwater
 DW - drinking water
 Air-A - ambient air
 Air-SV - soil vapor

Volatiles	Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists
8260 full TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri. Poll.
624 Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics
STARS list Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL MetCN
BTEX Suffolk Co.	Acids Only	CT RCP	CTL5 list	NY 310-13	Full TCLP
MTBE Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX
TCL list Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part360-Routine
TAGM list TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part360-Baseline
CT RCP list 524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part360-Expanded No. Dioxin/Furans
Arom. only 502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VEH	Part360-Expanded Full List
Halogen only NJDEP list	App. IX	Chlordane	Indic. Metals	Air TICs	NYCDEP Sewer
App. IX list SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEP Sewer
8021B list	SPLP or TCLP	608 PCB		Helium	TAGM

Excel	<input checked="" type="checkbox"/>
NYSDEC EQUIS	<input checked="" type="checkbox"/>
NJDEP SRP HazSite	
EQUIS	
GIS/KEY (std)	
YORK Regulatory Comp Excel	
compared to:	
NYSDEC Part 375	
Unrestricted SCO - Residential SCO	
OTHER:	

Sample Identification	Date/Time Sampled	Matrix	Analysis Requested (List above includes common analytes)	Container Description
SP-2 (0-2')	6/10/15 @ 1055	S	EPA 8260, 8270, 8081/8082, TAL metals, Chromium hexavalent & trivalent	1 TerraCore set, 1 8oz clear jar
SP-2 (10-12')	6/10/15 @ 1115	S	"	1 TerraCore set, 1 8oz clear jar
SP-5 (0-2')	6/10/15 @ 1030	S	"	1 TerraCore set, 1 8oz clear jar
SP-5 (10-12')	6/10/15 @ 1105	S	"	1 TerraCore set, 1 8oz clear jar
SP-6 (0-2')	6/10/15 @ 1315	S	"	"
SP-6 (10-12')	6/10/15 @ 1350	S	"	"

Comments:

E designation
Please have results in 4-6 days as per Hydro Tech agreement

Preservation
(check all applicable)

4°C _____ Frozen _____ HCl _____ MeOH _____ HNO₃ _____ H₂SO₄ _____ NaOH _____
 ZnAc _____ Ascorbic Acid _____ Other _____

M. Ward 6-11-15 @ 1025 Grace 6-11-15 1829 @ 9.4 c

Samples Relinquished By _____ Date/Time _____ Samples Received By _____ Date/Time _____

Temp on R _____

Appendix H: Laboratory Data Deliverables for Groundwater Analytical Data



Technical Report

prepared for:

Hydro Tech Environmental (Brooklyn)

15 Ocean Avenue

Brooklyn NY, 11225

Attention: Morgan Violette

Report Date: 07/08/2015

Client Project ID: #150133 200 East 135th Street Bronx, NY

York Project (SDG) No.: 15G0053

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Hydro Tech Environmental (Brooklyn)

15 Ocean Avenue
Brooklyn NY, 11225
Attention: Morgan Violette

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on July 01, 2015 and listed below. The project was identified as your project: **#150133 200 East 135th Street Bronx, NY**.

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

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

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

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

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

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
15G0053-01	MW-2	Water	07/01/2015	07/01/2015

General Notes for York Project (SDG) No.: 15G0053

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

Approved By:



Benjamin Gulizia
Laboratory Director

Date: 07/08/2015





Sample Information

Client Sample ID: MW-2

York Sample ID: 15G0053-01

York Project (SDG) No.
15G0053

Client Project ID
#150133 200 East 135th Street Bronx, NY

Matrix
Water

Collection Date/Time
July 1, 2015 12:00 pm

Date Received
07/01/2015

Volatile Organics, 8260 List

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	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 17:00	07/08/2015 08:03	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 17:00	07/08/2015 08:03	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 17:00	07/08/2015 08:03	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 17:00	07/08/2015 08:03	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 17:00	07/08/2015 08:03	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 17:00	07/08/2015 08:03	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 17:00	07/08/2015 08:03	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	07/07/2015 17:00	07/08/2015 08:03	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	07/07/2015 17:00	07/08/2015 08:03	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	07/07/2015 17:00	07/08/2015 08:03	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	07/07/2015 17:00	07/08/2015 08:03	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 17:00	07/08/2015 08:03	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 17:00	07/08/2015 08:03	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 17:00	07/08/2015 08:03	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 17:00	07/08/2015 08:03	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 17:00	07/08/2015 08:03	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 17:00	07/08/2015 08:03	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 17:00	07/08/2015 08:03	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 17:00	07/08/2015 08:03	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	07/07/2015 17:00	07/08/2015 08:03	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 17:00	07/08/2015 08:03	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	07/07/2015 17:00	07/08/2015 08:03	SS
78-93-3	2-Butanone	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 17:00	07/08/2015 08:03	SS



Sample Information

Client Sample ID: MW-2

York Sample ID: 15G0053-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15G0053

#150133 200 East 135th Street Bronx, NY

Water

July 1, 2015 12:00 pm

07/01/2015

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-49-8	2-Chlorotoluene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 17:00	07/08/2015 08:03	SS
106-43-4	4-Chlorotoluene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 17:00	07/08/2015 08:03	SS
67-64-1	Acetone	ND		ug/L	5.0	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 17:00	07/08/2015 08:03	SS
71-43-2	Benzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 17:00	07/08/2015 08:03	SS
108-86-1	Bromobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	07/07/2015 17:00	07/08/2015 08:03	SS
74-97-5	Bromochloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	07/07/2015 17:00	07/08/2015 08:03	SS
75-27-4	Bromodichloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 17:00	07/08/2015 08:03	SS
75-25-2	Bromoform	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 17:00	07/08/2015 08:03	SS
74-83-9	Bromomethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 17:00	07/08/2015 08:03	SS
56-23-5	Carbon tetrachloride	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 17:00	07/08/2015 08:03	SS
108-90-7	Chlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 17:00	07/08/2015 08:03	SS
75-00-3	Chloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 17:00	07/08/2015 08:03	SS
67-66-3	Chloroform	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 17:00	07/08/2015 08:03	SS
74-87-3	Chloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 17:00	07/08/2015 08:03	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 17:00	07/08/2015 08:03	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 17:00	07/08/2015 08:03	SS
124-48-1	Dibromochloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 17:00	07/08/2015 08:03	SS
74-95-3	Dibromomethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	07/07/2015 17:00	07/08/2015 08:03	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	07/07/2015 17:00	07/08/2015 08:03	SS
100-41-4	Ethyl Benzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 17:00	07/08/2015 08:03	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	07/07/2015 17:00	07/08/2015 08:03	SS
98-82-8	Isopropylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 17:00	07/08/2015 08:03	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 17:00	07/08/2015 08:03	SS
75-09-2	Methylene chloride	ND		ug/L	2.5	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 17:00	07/08/2015 08:03	SS



Sample Information

Client Sample ID: MW-2

York Sample ID: 15G0053-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15G0053

#150133 200 East 135th Street Bronx, NY

Water

July 1, 2015 12:00 pm

07/01/2015

Volatile Organics, 8260 List

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
91-20-3	Naphthalene	ND		ug/L	2.5	10	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	07/07/2015 17:00	07/08/2015 08:03	SS
104-51-8	n-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 17:00	07/08/2015 08:03	SS
103-65-1	n-Propylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 17:00	07/08/2015 08:03	SS
95-47-6	o-Xylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,PADEP	07/07/2015 17:00	07/08/2015 08:03	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	5.0	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,PADEP	07/07/2015 17:00	07/08/2015 08:03	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 17:00	07/08/2015 08:03	SS
135-98-8	sec-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 17:00	07/08/2015 08:03	SS
100-42-5	Styrene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 17:00	07/08/2015 08:03	SS
98-06-6	tert-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 17:00	07/08/2015 08:03	SS
127-18-4	Tetrachloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 17:00	07/08/2015 08:03	SS
108-88-3	Toluene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 17:00	07/08/2015 08:03	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 17:00	07/08/2015 08:03	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 17:00	07/08/2015 08:03	SS
79-01-6	Trichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 17:00	07/08/2015 08:03	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 17:00	07/08/2015 08:03	SS
108-05-4	Vinyl acetate	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	07/07/2015 17:00	07/08/2015 08:03	SS
75-01-4	Vinyl Chloride	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/07/2015 17:00	07/08/2015 08:03	SS
1330-20-7	Xylenes, Total	ND		ug/L	7.5	15	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 17:00	07/08/2015 08:03	SS

Surrogate Recoveries

Result

Acceptance Range

17060-07-0	Surrogate: 1,2-Dichloroethane-d4	103 %	65-135
2037-26-5	Surrogate: Toluene-d8	97.3 %	86-118
460-00-4	Surrogate: p-Bromofluorobenzene	97.8 %	81-114

Semi-Volatiles, 8270 Target List

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
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Sample Information

Client Sample ID: MW-2

York Sample ID: 15G0053-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15G0053

#150133 200 East 135th Street Bronx, NY

Water

July 1, 2015 12:00 pm

07/01/2015

Semi-Volatiles, 8270 Target List

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
83-32-9	Acenaphthene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/08/2015 08:10	07/08/2015 14:16	KH
208-96-8	Acenaphthylene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/08/2015 08:10	07/08/2015 14:16	KH
62-53-3	Aniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP	07/08/2015 08:10	07/08/2015 13:16	KH
120-12-7	Anthracene	0.0718		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/08/2015 08:10	07/08/2015 14:16	KH
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/08/2015 08:10	07/08/2015 14:16	KH
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/08/2015 08:10	07/08/2015 14:16	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/08/2015 08:10	07/08/2015 14:16	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/08/2015 08:10	07/08/2015 14:16	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/08/2015 08:10	07/08/2015 14:16	KH
100-51-6	Benzyl alcohol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP	07/08/2015 08:10	07/08/2015 13:16	KH
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/08/2015 08:10	07/08/2015 13:16	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/08/2015 08:10	07/08/2015 13:16	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/08/2015 08:10	07/08/2015 13:16	KH
106-47-8	4-Chloroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/08/2015 08:10	07/08/2015 13:16	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/08/2015 08:10	07/08/2015 13:16	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/08/2015 08:10	07/08/2015 13:16	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/08/2015 08:10	07/08/2015 13:16	KH
91-58-7	2-Chloronaphthalene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/08/2015 08:10	07/08/2015 13:16	KH
95-57-8	2-Chlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/08/2015 08:10	07/08/2015 13:16	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/08/2015 08:10	07/08/2015 13:16	KH
218-01-9	Chrysene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/08/2015 08:10	07/08/2015 14:16	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/08/2015 08:10	07/08/2015 14:16	KH
132-64-9	Dibenzofuran	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/08/2015 08:10	07/08/2015 13:16	KH



Sample Information

Client Sample ID: MW-2

York Sample ID: 15G0053-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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15G0053

#150133 200 East 135th Street Bronx, NY

Water

July 1, 2015 12:00 pm

07/01/2015

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/08/2015 08:10	07/08/2015 13:16	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854	07/08/2015 08:10	07/08/2015 13:16	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854	07/08/2015 08:10	07/08/2015 13:16	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854	07/08/2015 08:10	07/08/2015 13:16	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/08/2015 08:10	07/08/2015 13:16	KH
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/08/2015 08:10	07/08/2015 13:16	KH
84-66-2	Diethyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/08/2015 08:10	07/08/2015 13:16	KH
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/08/2015 08:10	07/08/2015 13:16	KH
131-11-3	Dimethyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/08/2015 08:10	07/08/2015 13:16	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/08/2015 08:10	07/08/2015 13:16	KH
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/08/2015 08:10	07/08/2015 13:16	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/08/2015 08:10	07/08/2015 13:16	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/08/2015 08:10	07/08/2015 13:16	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/08/2015 08:10	07/08/2015 13:16	KH
117-81-7	Bis(2-ethylhexyl)phthalate	0.790		ug/L	0.513	0.513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/08/2015 08:10	07/08/2015 14:16	KH
206-44-0	Fluoranthene	0.0513	J	ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/08/2015 08:10	07/08/2015 14:16	KH
86-73-7	Fluorene	0.0718		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP	07/08/2015 08:10	07/08/2015 14:16	KH
118-74-1	Hexachlorobenzene	ND		ug/L	0.0205	0.0205	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/08/2015 08:10	07/08/2015 14:16	KH
87-68-3	Hexachlorobutadiene	ND		ug/L	0.513	0.513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/08/2015 08:10	07/08/2015 14:16	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/08/2015 08:10	07/08/2015 13:16	KH
67-72-1	Hexachloroethane	ND		ug/L	0.513	0.513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/08/2015 08:10	07/08/2015 14:16	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/08/2015 08:10	07/08/2015 14:16	KH
78-59-1	Isophorone	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/08/2015 08:10	07/08/2015 13:16	KH



Sample Information

Client Sample ID: MW-2

York Sample ID: 15G0053-01

York Project (SDG) No.

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15G0053

#150133 200 East 135th Street Bronx, NY

Water

July 1, 2015 12:00 pm

07/01/2015

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-57-6	2-Methylnaphthalene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/08/2015 08:10	07/08/2015 13:16	KH
95-48-7	2-Methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/08/2015 08:10	07/08/2015 13:16	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/08/2015 08:10	07/08/2015 13:16	KH
91-20-3	Naphthalene	0.256		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/08/2015 08:10	07/08/2015 14:16	KH
100-01-6	4-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/08/2015 08:10	07/08/2015 13:16	KH
99-09-2	3-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/08/2015 08:10	07/08/2015 13:16	KH
88-74-4	2-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/08/2015 08:10	07/08/2015 13:16	KH
98-95-3	Nitrobenzene	ND		ug/L	0.256	0.256	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/08/2015 08:10	07/08/2015 14:16	KH
100-02-7	4-Nitrophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/08/2015 08:10	07/08/2015 13:16	KH
88-75-5	2-Nitrophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/08/2015 08:10	07/08/2015 13:16	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/08/2015 08:10	07/08/2015 13:16	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.513	0.513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/08/2015 08:10	07/08/2015 14:16	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/08/2015 08:10	07/08/2015 13:16	KH
87-86-5	Pentachlorophenol	ND		ug/L	0.256	0.256	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/08/2015 08:10	07/08/2015 14:16	KH
85-01-8	Phenanthrene	0.195		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/08/2015 08:10	07/08/2015 14:16	KH
108-95-2	Phenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/08/2015 08:10	07/08/2015 13:16	KH
129-00-0	Pyrene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/08/2015 08:10	07/08/2015 14:16	KH
110-86-1	Pyridine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/08/2015 08:10	07/08/2015 13:16	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/08/2015 08:10	07/08/2015 13:16	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/08/2015 08:10	07/08/2015 13:16	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	07/08/2015 08:10	07/08/2015 13:16	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	Surrogate: 2-Fluorophenol	16.7 %	10-65
4165-62-2	Surrogate: Phenol-d5	11.3 %	10-49
4165-60-0	Surrogate: Nitrobenzene-d5	41.9 %	10-96



Sample Information

Client Sample ID: MW-2

York Sample ID: 15G0053-01

York Project (SDG) No.

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15G0053

#150133 200 East 135th Street Bronx, NY

Water

July 1, 2015 12:00 pm

07/01/2015

Semi-Volatiles, 8270 Target List

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
321-60-8	Surrogate: 2-Fluorobiphenyl	35.2 %			10-93						
118-79-6	Surrogate: 2,4,6-Tribromophenol	32.3 %			10-128						
1718-51-0	Surrogate: Terphenyl-d14	38.2 %			10-100						

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 LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00457	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/08/2015 08:05	07/08/2015 14:52	AMC
72-55-9	4,4'-DDE	ND		ug/L	0.00457	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/08/2015 08:05	07/08/2015 14:52	AMC
50-29-3	4,4'-DDT	ND		ug/L	0.00457	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/08/2015 08:05	07/08/2015 14:52	AMC
309-00-2	Aldrin	ND		ug/L	0.00457	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/08/2015 08:05	07/08/2015 14:52	AMC
319-84-6	alpha-BHC	ND		ug/L	0.00457	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/08/2015 08:05	07/08/2015 14:52	AMC
5103-71-9	alpha-Chlordane	ND		ug/L	0.00457	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/08/2015 08:05	07/08/2015 14:52	AMC
319-85-7	beta-BHC	ND		ug/L	0.00457	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/08/2015 08:05	07/08/2015 14:52	AMC
57-74-9	Chlordane, total	ND		ug/L	0.0457	0.0457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/08/2015 08:05	07/08/2015 14:52	AMC
319-86-8	delta-BHC	ND		ug/L	0.00457	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/08/2015 08:05	07/08/2015 14:52	AMC
60-57-1	Dieldrin	ND		ug/L	0.00229	0.00229	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/08/2015 08:05	07/08/2015 14:52	AMC
959-98-8	Endosulfan I	ND		ug/L	0.00457	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/08/2015 08:05	07/08/2015 14:52	AMC
33213-65-9	Endosulfan II	ND		ug/L	0.00457	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/08/2015 08:05	07/08/2015 14:52	AMC
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00457	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/08/2015 08:05	07/08/2015 14:52	AMC
72-20-8	Endrin	ND		ug/L	0.00457	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/08/2015 08:05	07/08/2015 14:52	AMC
7421-93-4	Endrin aldehyde	ND		ug/L	0.0114	0.0114	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/08/2015 08:05	07/08/2015 14:52	AMC
53494-70-5	Endrin ketone	ND		ug/L	0.0114	0.0114	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/08/2015 08:05	07/08/2015 14:52	AMC
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00457	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/08/2015 08:05	07/08/2015 14:52	AMC
5103-74-2	gamma-Chlordane	ND		ug/L	0.0114	0.0114	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/08/2015 08:05	07/08/2015 14:52	AMC
76-44-8	Heptachlor	ND		ug/L	0.00457	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/08/2015 08:05	07/08/2015 14:52	AMC



Sample Information

Client Sample ID: MW-2

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15G0053

#150133 200 East 135th Street Bronx, NY

Water

July 1, 2015 12:00 pm

07/01/2015

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00457	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/08/2015 08:05	07/08/2015 14:52	AMC
72-43-5	Methoxychlor	ND		ug/L	0.00457	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/08/2015 08:05	07/08/2015 14:52	AMC
8001-35-2	Toxaphene	ND		ug/L	0.114	0.114	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	07/08/2015 08:05	07/08/2015 14:52	AMC
Surrogate Recoveries		Result			Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	37.4 %			30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	58.1 %			30-120						

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0571	0.0571	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	07/08/2015 08:05	07/08/2015 15:38	AMC
11104-28-2	Aroclor 1221	ND		ug/L	0.0571	0.0571	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	07/08/2015 08:05	07/08/2015 15:38	AMC
11141-16-5	Aroclor 1232	ND		ug/L	0.0571	0.0571	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	07/08/2015 08:05	07/08/2015 15:38	AMC
53469-21-9	Aroclor 1242	ND		ug/L	0.0571	0.0571	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	07/08/2015 08:05	07/08/2015 15:38	AMC
12672-29-6	Aroclor 1248	ND		ug/L	0.0571	0.0571	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	07/08/2015 08:05	07/08/2015 15:38	AMC
11097-69-1	Aroclor 1254	ND		ug/L	0.0571	0.0571	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	07/08/2015 08:05	07/08/2015 15:38	AMC
11096-82-5	Aroclor 1260	ND		ug/L	0.0571	0.0571	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	07/08/2015 08:05	07/08/2015 15:38	AMC
1336-36-3	* Total PCBs	ND		ug/L	0.0571	0.0571	1	EPA 8082A Certifications:	07/08/2015 08:05	07/08/2015 15:38	AMC
Surrogate Recoveries		Result			Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	50.2 %			30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	59.2 %			30-120						

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	0.129		mg/L	0.050	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:15	07/08/2015 05:09	AMC
7440-36-0	Antimony	ND		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:15	07/08/2015 05:09	AMC



Sample Information

Client Sample ID: MW-2

York Sample ID: 15G0053-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15G0053

#150133 200 East 135th Street Bronx, NY

Water

July 1, 2015 12:00 pm

07/01/2015

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	0.014		mg/L	0.004	0.004	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:15	07/08/2015 05:09	AMC
7440-39-3	Barium	0.105		mg/L	0.010	0.010	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:15	07/08/2015 05:09	AMC
7440-41-7	Beryllium	ND		mg/L	0.001	0.001	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:15	07/08/2015 05:09	AMC
7440-43-9	Cadmium	ND		mg/L	0.003	0.003	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:15	07/08/2015 05:09	AMC
7440-70-2	Calcium	215		mg/L	0.050	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:15	07/08/2015 05:09	AMC
7440-47-3	Chromium	ND		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:15	07/08/2015 05:09	AMC
7440-48-4	Cobalt	ND		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:15	07/08/2015 05:09	AMC
7440-50-8	Copper	0.012		mg/L	0.003	0.003	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:15	07/08/2015 05:09	AMC
7439-89-6	Iron	17.7		mg/L	0.020	0.020	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:15	07/08/2015 05:09	AMC
7439-92-1	Lead	0.006		mg/L	0.003	0.003	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:15	07/08/2015 05:09	AMC
7439-95-4	Magnesium	41.5		mg/L	0.050	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:15	07/08/2015 05:09	AMC
7439-96-5	Manganese	3.55		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:15	07/08/2015 05:09	AMC
7440-02-0	Nickel	ND		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:15	07/08/2015 05:09	AMC
7440-09-7	Potassium	26.3		mg/L	0.050	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:15	07/08/2015 05:09	AMC
7782-49-2	Selenium	ND		mg/L	0.010	0.010	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:15	07/08/2015 05:09	AMC
7440-22-4	Silver	ND		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:15	07/08/2015 05:09	AMC
7440-23-5	Sodium	169		mg/L	0.100	0.100	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:15	07/08/2015 05:09	AMC
7440-28-0	Thallium	ND		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:15	07/08/2015 05:09	AMC
7440-62-2	Vanadium	ND		mg/L	0.010	0.010	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:15	07/08/2015 05:09	AMC
7440-66-6	Zinc	0.031		mg/L	0.010	0.010	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:15	07/08/2015 05:09	AMC

Metals, Target Analyte, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

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

Client Sample ID: MW-2

York Sample ID: 15G0053-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15G0053

#150133 200 East 135th Street Bronx, NY

Water

July 1, 2015 12:00 pm

07/01/2015

Metals, Target Analyte, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.050	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:17	07/08/2015 06:08	AMC
7440-36-0	Antimony	ND		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:17	07/08/2015 06:08	AMC
7440-38-2	Arsenic	0.006		mg/L	0.004	0.004	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:17	07/08/2015 06:08	AMC
7440-39-3	Barium	0.057		mg/L	0.010	0.010	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:17	07/08/2015 06:08	AMC
7440-41-7	Beryllium	ND		mg/L	0.001	0.001	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:17	07/08/2015 06:08	AMC
7440-43-9	Cadmium	ND		mg/L	0.003	0.003	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:17	07/08/2015 06:08	AMC
7440-70-2	Calcium	214		mg/L	0.050	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:17	07/08/2015 06:08	AMC
7440-47-3	Chromium	ND		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:17	07/08/2015 06:08	AMC
7440-48-4	Cobalt	ND		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:17	07/08/2015 06:08	AMC
7440-50-8	Copper	0.006		mg/L	0.003	0.003	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:17	07/08/2015 06:08	AMC
7439-89-6	Iron	0.160		mg/L	0.020	0.020	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:17	07/08/2015 06:08	AMC
7439-92-1	Lead	ND		mg/L	0.003	0.003	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:17	07/08/2015 06:08	AMC
7439-95-4	Magnesium	40.7		mg/L	0.050	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:17	07/08/2015 06:08	AMC
7439-96-5	Manganese	3.26		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:17	07/08/2015 06:08	AMC
7440-02-0	Nickel	ND		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:17	07/08/2015 06:08	AMC
7440-09-7	Potassium	25.9		mg/L	0.050	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:17	07/08/2015 06:08	AMC
7782-49-2	Selenium	ND		mg/L	0.010	0.010	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:17	07/08/2015 06:08	AMC
7440-22-4	Silver	ND		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:17	07/08/2015 06:08	AMC
7440-23-5	Sodium	170		mg/L	0.100	0.100	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:17	07/08/2015 06:08	AMC
7440-28-0	Thallium	ND		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:17	07/08/2015 06:08	AMC
7440-62-2	Vanadium	ND		mg/L	0.010	0.010	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:17	07/08/2015 06:08	AMC
7440-66-6	Zinc	ND		mg/L	0.010	0.010	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/07/2015 16:17	07/08/2015 06:08	AMC



Sample Information

Client Sample ID: MW-2

York Sample ID: 15G0053-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15G0053

#150133 200 East 135th Street Bronx, NY

Water

July 1, 2015 12:00 pm

07/01/2015

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00020	0.00020	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/04/2015 12:32	07/06/2015 17:28	AA

Mercury by 7473, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00020	0.00020	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/04/2015 12:32	07/06/2015 17:28	AA

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/L	0.0100	0.0100	1	EPA 7196A Certifications: NELAC-NY10854,CTDOH,NJDEP	07/01/2015 18:37	07/01/2015 18:38	SCA

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	ND		mg/L	0.00800	0.0100	1	Calculation Certifications:	07/08/2015 15:45	07/08/2015 15:45	SCA



Analytical Batch Summary

Batch ID: BG50086 **Preparation Method:** Analysis Preparation **Prepared By:** SCA

YORK Sample ID	Client Sample ID	Preparation Date
15G0053-01	MW-2	07/01/15
BG50086-BLK1	Blank	07/01/15
BG50086-BS1	LCS	07/01/15

Batch ID: BG50165 **Preparation Method:** EPA 7473 water **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
15G0053-01	MW-2	07/04/15
BG50165-BLK1	Blank	07/04/15
BG50165-SRM1	Reference	07/04/15

Batch ID: BG50311 **Preparation Method:** EPA 5030B **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
15G0053-01	MW-2	07/07/15
BG50311-BLK1	Blank	07/07/15
BG50311-BS1	LCS	07/07/15
BG50311-BSD1	LCS Dup	07/07/15
BG50311-DUP1	Duplicate	07/07/15
BG50311-MS1	Matrix Spike	07/07/15

Batch ID: BG50320 **Preparation Method:** EPA 3010A **Prepared By:** AMC

YORK Sample ID	Client Sample ID	Preparation Date
15G0053-01	MW-2	07/07/15
BG50320-BLK1	Blank	07/07/15
BG50320-DUP1	Duplicate	07/07/15
BG50320-MS1	Matrix Spike	07/07/15
BG50320-SRM1	Reference	07/07/15
BG50320-SRM2	Reference	07/07/15

Batch ID: BG50322 **Preparation Method:** EPA 3010A **Prepared By:** AMC

YORK Sample ID	Client Sample ID	Preparation Date
15G0053-01	MW-2	07/07/15
BG50322-BLK1	Blank	07/07/15
BG50322-SRM1	Reference	07/07/15
BG50322-SRM2	Reference	07/07/15

Batch ID: BG50336 **Preparation Method:** EPA SW846-3510C Low Level **Prepared By:** KAT

YORK Sample ID	Client Sample ID	Preparation Date
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15G0053-01 MW-2 07/08/15
15G0053-01 MW-2 07/08/15

Batch ID: BG50339 **Preparation Method:** EPA 3510C **Prepared By:** KAT

YORK Sample ID	Client Sample ID	Preparation Date
15G0053-01	MW-2	07/08/15
BG50339-BS1	LCS	07/08/15
BG50339-BS2	LCS	07/08/15
BG50339-BSD1	LCS Dup	07/08/15

Batch ID: BG50398 **Preparation Method:** Analysis Preparation **Prepared By:** SCA

YORK Sample ID	Client Sample ID	Preparation Date
15G0053-01	MW-2	07/08/15



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG50311 - EPA 5030B

Blank (BG50311-BLK1)

Prepared: 07/07/2015 Analyzed: 07/08/2015

1,1,1,2-Tetrachloroethane	ND	5.0	ug/L								
1,1,1-Trichloroethane	ND	5.0	"								
1,1,2,2-Tetrachloroethane	ND	5.0	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"								
1,1,2-Trichloroethane	ND	5.0	"								
1,1-Dichloroethane	ND	5.0	"								
1,1-Dichloroethylene	ND	5.0	"								
1,1-Dichloropropylene	ND	5.0	"								
1,2,3-Trichlorobenzene	ND	5.0	"								
1,2,3-Trichloropropane	ND	5.0	"								
1,2,4-Trichlorobenzene	ND	5.0	"								
1,2,4-Trimethylbenzene	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	5.0	"								
1,2-Dibromoethane	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3,5-Trimethylbenzene	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
1,3-Dichloropropane	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
2,2-Dichloropropane	ND	5.0	"								
2-Butanone	ND	5.0	"								
2-Chlorotoluene	ND	5.0	"								
4-Chlorotoluene	ND	5.0	"								
Acetone	ND	10	"								
Benzene	ND	5.0	"								
Bromobenzene	ND	5.0	"								
Bromochloromethane	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								
Bromoform	ND	5.0	"								
Bromomethane	ND	5.0	"								
Carbon tetrachloride	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Chloroethane	ND	5.0	"								
Chloroform	ND	5.0	"								
Chloromethane	ND	5.0	"								
cis-1,2-Dichloroethylene	ND	5.0	"								
cis-1,3-Dichloropropylene	ND	5.0	"								
Dibromochloromethane	ND	5.0	"								
Dibromomethane	ND	5.0	"								
Dichlorodifluoromethane	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Hexachlorobutadiene	ND	5.0	"								
Isopropylbenzene	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								
Methylene chloride	ND	10	"								
Naphthalene	ND	10	"								
n-Butylbenzene	ND	5.0	"								
n-Propylbenzene	ND	5.0	"								
o-Xylene	ND	5.0	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BG50311 - EPA 5030B

Blank (BG50311-BLK1)

Prepared: 07/07/2015 Analyzed: 07/08/2015

p- & m- Xylenes	ND	10	ug/L								
p-Isopropyltoluene	ND	5.0	"								
sec-Butylbenzene	ND	5.0	"								
Styrene	ND	5.0	"								
tert-Butylbenzene	ND	5.0	"								
Tetrachloroethylene	ND	5.0	"								
Toluene	ND	5.0	"								
trans-1,2-Dichloroethylene	ND	5.0	"								
trans-1,3-Dichloropropylene	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Trichlorofluoromethane	ND	5.0	"								
Vinyl acetate	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Xylenes, Total	ND	15	"								

<i>Surrogate: 1,2-Dichloroethane-d4</i>	49.0		"	50.0	98.0	65-135					
<i>Surrogate: Toluene-d8</i>	50.0		"	50.0	100	86-118					
<i>Surrogate: p-Bromofluorobenzene</i>	49.2		"	50.0	98.4	81-114					

LCS (BG50311-BS1)

Prepared: 07/07/2015 Analyzed: 07/08/2015

1,1,1,2-Tetrachloroethane	54.8		ug/L	50.0	110	70-132					
1,1,1-Trichloroethane	56.6		"	50.0	113	68-138					
1,1,2,2-Tetrachloroethane	56.0		"	50.0	112	73-132					
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	51.9		"	50.0	104	67-136					
1,1,2-Trichloroethane	56.2		"	50.0	112	79-125					
1,1-Dichloroethane	54.2		"	50.0	108	78-128					
1,1-Dichloroethylene	48.8		"	50.0	97.5	68-134					
1,1-Dichloropropylene	55.0		"	50.0	110	74-130					
1,2,3-Trichlorobenzene	59.7		"	50.0	119	77-140					
1,2,3-Trichloropropane	57.0		"	50.0	114	79-127					
1,2,4-Trichlorobenzene	57.8		"	50.0	116	75-141					
1,2,4-Trimethylbenzene	55.8		"	50.0	112	78-127					
1,2-Dibromo-3-chloropropane	52.9		"	50.0	106	60-150					
1,2-Dibromoethane	56.6		"	50.0	113	86-123					
1,2-Dichlorobenzene	54.8		"	50.0	110	79-125					
1,2-Dichloroethane	47.9		"	50.0	95.8	69-133					
1,2-Dichloropropane	48.4		"	50.0	96.7	76-124					
1,3,5-Trimethylbenzene	57.4		"	50.0	115	78-128					
1,3-Dichlorobenzene	53.8		"	50.0	108	81-124					
1,3-Dichloropropane	52.1		"	50.0	104	79-125					
1,4-Dichlorobenzene	54.7		"	50.0	109	82-124					
2,2-Dichloropropane	52.2		"	50.0	104	61-139					
2-Butanone	52.2		"	50.0	104	44-169					
2-Chlorotoluene	54.0		"	50.0	108	74-130					
4-Chlorotoluene	56.2		"	50.0	112	75-127					
Acetone	37.9		"	50.0	75.8	29-163					
Benzene	57.3		"	50.0	115	72-134					
Bromobenzene	53.6		"	50.0	107	74-129					
Bromochloromethane	49.7		"	50.0	99.3	69-134					
Bromodichloromethane	53.3		"	50.0	107	76-127					
Bromoform	59.0		"	50.0	118	77-137					
Bromomethane	53.4		"	50.0	107	50-156					
Carbon tetrachloride	57.2		"	50.0	114	62-145					



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BG50311 - EPA 5030B

LCS (BG50311-BS1)

Prepared: 07/07/2015 Analyzed: 07/08/2015

Chlorobenzene	54.8		ug/L	50.0		110	85-119				
Chloroethane	44.0		"	50.0		88.0	49-143				
Chloroform	57.6		"	50.0		115	74-131				
Chloromethane	46.2		"	50.0		92.3	43-134				
cis-1,2-Dichloroethylene	59.5		"	50.0		119	73-134				
cis-1,3-Dichloropropylene	52.4		"	50.0		105	77-128				
Dibromochloromethane	56.6		"	50.0		113	79-130				
Dibromomethane	54.3		"	50.0		109	78-128				
Dichlorodifluoromethane	49.5		"	50.0		98.9	38-139				
Ethyl Benzene	53.2		"	50.0		106	80-129				
Hexachlorobutadiene	53.6		"	50.0		107	72-141				
Isopropylbenzene	57.1		"	50.0		114	76-128				
Methyl tert-butyl ether (MTBE)	60.4		"	50.0		121	64-142				
Methylene chloride	46.6		"	50.0		93.2	56-142				
Naphthalene	62.0		"	50.0		124	79-144				
n-Butylbenzene	52.2		"	50.0		104	74-132				
n-Propylbenzene	56.0		"	50.0		112	72-135				
o-Xylene	52.4		"	50.0		105	81-123				
p- & m- Xylenes	107		"	100		107	79-130				
p-Isopropyltoluene	56.9		"	50.0		114	80-127				
sec-Butylbenzene	56.2		"	50.0		112	78-127				
Styrene	55.6		"	50.0		111	82-124				
tert-Butylbenzene	57.4		"	50.0		115	75-131				
Tetrachloroethylene	55.6		"	50.0		111	78-133				
Toluene	55.2		"	50.0		110	83-122				
trans-1,2-Dichloroethylene	52.4		"	50.0		105	59-145				
trans-1,3-Dichloropropylene	51.3		"	50.0		103	74-131				
Trichloroethylene	53.8		"	50.0		108	81-125				
Trichlorofluoromethane	52.5		"	50.0		105	61-144				
Vinyl acetate	56.2		"	50.0		112	32-165				
Vinyl Chloride	46.4		"	50.0		92.9	42-136				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>43.3</i>		<i>"</i>	<i>50.0</i>		<i>86.6</i>	<i>65-135</i>				
<i>Surrogate: Toluene-d8</i>	<i>49.2</i>		<i>"</i>	<i>50.0</i>		<i>98.5</i>	<i>86-118</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>53.4</i>		<i>"</i>	<i>50.0</i>		<i>107</i>	<i>81-114</i>				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG50311 - EPA 5030B

LCS Dup (BG50311-BSD1)

Prepared: 07/07/2015 Analyzed: 07/08/2015

1,1,1,2-Tetrachloroethane	54.5		ug/L	50.0		109	70-132		0.494	30	
1,1,1-Trichloroethane	56.2		"	50.0		112	68-138		0.815	30	
1,1,2,2-Tetrachloroethane	55.8		"	50.0		112	73-132		0.394	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	52.8		"	50.0		106	67-136		1.74	30	
1,1,2-Trichloroethane	56.0		"	50.0		112	79-125		0.339	30	
1,1-Dichloroethane	54.5		"	50.0		109	78-128		0.589	30	
1,1-Dichloroethylene	48.6		"	50.0		97.2	68-134		0.308	30	
1,1-Dichloropropylene	54.7		"	50.0		109	74-130		0.674	30	
1,2,3-Trichlorobenzene	60.4		"	50.0		121	77-140		1.28	30	
1,2,3-Trichloropropane	58.3		"	50.0		117	79-127		2.25	30	
1,2,4-Trichlorobenzene	57.8		"	50.0		116	75-141		0.121	30	
1,2,4-Trimethylbenzene	57.5		"	50.0		115	78-127		2.98	30	
1,2-Dibromo-3-chloropropane	56.1		"	50.0		112	60-150		5.89	30	
1,2-Dibromoethane	56.0		"	50.0		112	86-123		1.15	30	
1,2-Dichlorobenzene	55.1		"	50.0		110	79-125		0.473	30	
1,2-Dichloroethane	49.2		"	50.0		98.4	69-133		2.72	30	
1,2-Dichloropropane	48.5		"	50.0		97.0	76-124		0.310	30	
1,3,5-Trimethylbenzene	58.1		"	50.0		116	78-128		1.16	30	
1,3-Dichlorobenzene	55.1		"	50.0		110	81-124		2.33	30	
1,3-Dichloropropane	52.0		"	50.0		104	79-125		0.154	30	
1,4-Dichlorobenzene	55.2		"	50.0		110	82-124		1.02	30	
2,2-Dichloropropane	52.5		"	50.0		105	61-139		0.497	30	
2-Butanone	53.8		"	50.0		108	44-169		3.11	30	
2-Chlorotoluene	59.6		"	50.0		119	74-130		9.78	30	
4-Chlorotoluene	51.1		"	50.0		102	75-127		9.57	30	
Acetone	56.7		"	50.0		113	29-163		39.8	30	Non-dir.
Benzene	57.6		"	50.0		115	72-134		0.435	30	
Bromobenzene	55.3		"	50.0		111	74-129		3.05	30	
Bromochloromethane	49.1		"	50.0		98.1	69-134		1.20	30	
Bromodichloromethane	53.5		"	50.0		107	76-127		0.487	30	
Bromoform	59.9		"	50.0		120	77-137		1.46	30	
Bromomethane	50.9		"	50.0		102	50-156		4.70	30	
Carbon tetrachloride	57.1		"	50.0		114	62-145		0.175	30	
Chlorobenzene	55.9		"	50.0		112	85-119		2.06	30	
Chloroethane	44.4		"	50.0		88.8	49-143		0.950	30	
Chloroform	57.9		"	50.0		116	74-131		0.554	30	
Chloromethane	46.2		"	50.0		92.4	43-134		0.152	30	
cis-1,2-Dichloroethylene	58.4		"	50.0		117	73-134		1.88	30	
cis-1,3-Dichloropropylene	51.8		"	50.0		104	77-128		1.27	30	
Dibromochloromethane	55.0		"	50.0		110	79-130		2.89	30	
Dibromomethane	53.7		"	50.0		107	78-128		1.15	30	
Dichlorodifluoromethane	51.4		"	50.0		103	38-139		3.89	30	
Ethyl Benzene	54.5		"	50.0		109	80-129		2.34	30	
Hexachlorobutadiene	56.0		"	50.0		112	72-141		4.49	30	
Isopropylbenzene	59.0		"	50.0		118	76-128		3.33	30	
Methyl tert-butyl ether (MTBE)	59.1		"	50.0		118	64-142		2.12	30	
Methylene chloride	45.0		"	50.0		89.9	56-142		3.65	30	
Naphthalene	63.0		"	50.0		126	79-144		1.63	30	
n-Butylbenzene	55.4		"	50.0		111	74-132		6.02	30	
n-Propylbenzene	57.5		"	50.0		115	72-135		2.78	30	
o-Xylene	53.9		"	50.0		108	81-123		2.80	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG50311 - EPA 5030B

LCS Dup (BG50311-BSD1)

Prepared: 07/07/2015 Analyzed: 07/08/2015

p- & m- Xylenes	107		ug/L	100		107	79-130		0.140	30	
p-Isopropyltoluene	58.3		"	50.0		117	80-127		2.45	30	
sec-Butylbenzene	57.5		"	50.0		115	78-127		2.13	30	
Styrene	55.8		"	50.0		112	82-124		0.359	30	
tert-Butylbenzene	58.1		"	50.0		116	75-131		1.26	30	
Tetrachloroethylene	72.4		"	50.0		145	78-133	High Bias	26.2	30	
Toluene	54.7		"	50.0		109	83-122		1.00	30	
trans-1,2-Dichloroethylene	53.9		"	50.0		108	59-145		2.84	30	
trans-1,3-Dichloropropylene	51.0		"	50.0		102	74-131		0.723	30	
Trichloroethylene	55.2		"	50.0		110	81-125		2.73	30	
Trichlorofluoromethane	52.1		"	50.0		104	61-144		0.765	30	
Vinyl acetate	49.2		"	50.0		98.3	32-165		13.4	30	
Vinyl Chloride	46.3		"	50.0		92.5	42-136		0.345	30	
Surrogate: 1,2-Dichloroethane-d4	44.8		"	50.0		89.6	65-135				
Surrogate: Toluene-d8	49.3		"	50.0		98.7	86-118				
Surrogate: p-Bromofluorobenzene	53.9		"	50.0		108	81-114				

Duplicate (BG50311-DUP1)

*Source sample: 15G0053-01 (MW-2)

Prepared: 07/07/2015 Analyzed: 07/08/2015

1,1,1,2-Tetrachloroethane	ND	5.0	ug/L		ND					200	
1,1,1-Trichloroethane	ND	5.0	"		ND					200	
1,1,2,2-Tetrachloroethane	ND	5.0	"		ND					200	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"		ND					200	
1,1,2-Trichloroethane	ND	5.0	"		ND					200	
1,1-Dichloroethane	ND	5.0	"		ND					200	
1,1-Dichloroethylene	ND	5.0	"		ND					200	
1,1-Dichloropropylene	ND	5.0	"		ND					200	
1,2,3-Trichlorobenzene	ND	5.0	"		ND					200	
1,2,3-Trichloropropane	ND	5.0	"		ND					200	
1,2,4-Trichlorobenzene	ND	5.0	"		ND					200	
1,2,4-Trimethylbenzene	ND	5.0	"		ND					200	
1,2-Dibromo-3-chloropropane	ND	5.0	"		ND					200	
1,2-Dibromoethane	ND	5.0	"		ND					200	
1,2-Dichlorobenzene	ND	5.0	"		ND					200	
1,2-Dichloroethane	ND	5.0	"		ND					200	
1,2-Dichloropropane	ND	5.0	"		ND					200	
1,3,5-Trimethylbenzene	ND	5.0	"		ND					200	
1,3-Dichlorobenzene	ND	5.0	"		ND					200	
1,3-Dichloropropane	ND	5.0	"		ND					200	
1,4-Dichlorobenzene	ND	5.0	"		ND					200	
2,2-Dichloropropane	ND	5.0	"		ND					200	
2-Butanone	ND	5.0	"		ND					200	
2-Chlorotoluene	ND	5.0	"		ND					200	
4-Chlorotoluene	ND	5.0	"		ND					200	
Acetone	ND	10	"		ND					200	
Benzene	ND	5.0	"		ND					200	
Bromobenzene	ND	5.0	"		ND					200	
Bromochloromethane	ND	5.0	"		ND					200	
Bromodichloromethane	ND	5.0	"		ND					200	
Bromoform	ND	5.0	"		ND					200	
Bromomethane	ND	5.0	"		ND					200	
Carbon tetrachloride	ND	5.0	"		ND					200	
Chlorobenzene	ND	5.0	"		ND					200	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG50311 - EPA 5030B

Duplicate (BG50311-DUP1)

*Source sample: 15G0053-01 (MW-2)

Prepared: 07/07/2015 Analyzed: 07/08/2015

Chloroethane	ND	5.0	ug/L		ND					200	
Chloroform	ND	5.0	"		ND					200	
Chloromethane	ND	5.0	"		ND					200	
cis-1,2-Dichloroethylene	ND	5.0	"		ND					200	
cis-1,3-Dichloropropylene	ND	5.0	"		ND					200	
Dibromochloromethane	ND	5.0	"		ND					200	
Dibromomethane	ND	5.0	"		ND					200	
Dichlorodifluoromethane	ND	5.0	"		ND					200	
Ethyl Benzene	ND	5.0	"		ND					200	
Hexachlorobutadiene	ND	5.0	"		ND					200	
Isopropylbenzene	ND	5.0	"		ND					200	
Methyl tert-butyl ether (MTBE)	ND	5.0	"		ND					200	
Methylene chloride	ND	10	"		ND					200	
Naphthalene	ND	10	"		ND					200	
n-Butylbenzene	ND	5.0	"		ND					200	
n-Propylbenzene	ND	5.0	"		ND					200	
o-Xylene	ND	5.0	"		ND					200	
p- & m- Xylenes	ND	10	"		ND					200	
p-Isopropyltoluene	ND	5.0	"		ND					200	
sec-Butylbenzene	ND	5.0	"		ND					200	
Styrene	ND	5.0	"		ND					200	
tert-Butylbenzene	ND	5.0	"		ND					200	
Tetrachloroethylene	ND	5.0	"		ND					200	
Toluene	ND	5.0	"		ND					200	
trans-1,2-Dichloroethylene	ND	5.0	"		ND					200	
trans-1,3-Dichloropropylene	ND	5.0	"		ND					200	
Trichloroethylene	ND	5.0	"		ND					200	
Trichlorofluoromethane	ND	5.0	"		ND					200	
Vinyl acetate	ND	5.0	"		ND					200	
Vinyl Chloride	ND	5.0	"		ND					200	
Xylenes, Total	ND	15	"		ND					200	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>50.6</i>		<i>"</i>	<i>50.0</i>		<i>101</i>	<i>65-135</i>				
<i>Surrogate: Toluene-d8</i>	<i>50.2</i>		<i>"</i>	<i>50.0</i>		<i>100</i>	<i>86-118</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>48.8</i>		<i>"</i>	<i>50.0</i>		<i>97.5</i>	<i>81-114</i>				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BG50311 - EPA 5030B

Matrix Spike (BG50311-MS1) *Source sample: 15G0053-01 (MW-2) Prepared: 07/07/2015 Analyzed: 07/08/2015

1,1,1,2-Tetrachloroethane	55.4		ug/L	50.0	ND	111	52-142				
1,1,1-Trichloroethane	52.9		"	50.0	ND	106	52-147				
1,1,2,2-Tetrachloroethane	52.8		"	50.0	ND	106	65-131				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	44.8		"	50.0	ND	89.5	42-160				
1,1,2-Trichloroethane	53.2		"	50.0	ND	106	72-126				
1,1-Dichloroethane	52.1		"	50.0	ND	104	64-135				
1,1-Dichloroethylene	43.4		"	50.0	ND	86.9	47-150				
1,1-Dichloropropylene	50.7		"	50.0	ND	101	68-123				
1,2,3-Trichlorobenzene	50.5		"	50.0	ND	101	53-148				
1,2,3-Trichloropropane	51.5		"	50.0	ND	103	68-129				
1,2,4-Trichlorobenzene	46.7		"	50.0	ND	93.5	51-148				
1,2,4-Trimethylbenzene	52.5		"	50.0	ND	105	62-130				
1,2-Dibromo-3-chloropropane	53.1		"	50.0	ND	106	48-155				
1,2-Dibromoethane	54.1		"	50.0	ND	108	76-124				
1,2-Dichlorobenzene	52.5		"	50.0	ND	105	70-125				
1,2-Dichloroethane	51.6		"	50.0	ND	103	57-139				
1,2-Dichloropropane	51.5		"	50.0	ND	103	65-128				
1,3,5-Trimethylbenzene	51.0		"	50.0	ND	102	53-138				
1,3-Dichlorobenzene	49.4		"	50.0	ND	98.8	71-122				
1,3-Dichloropropane	53.9		"	50.0	ND	108	66-128				
1,4-Dichlorobenzene	50.5		"	50.0	ND	101	69-125				
2,2-Dichloropropane	45.1		"	50.0	ND	90.1	42-138				
2-Butanone	43.4		"	50.0	ND	86.9	42-153				
2-Chlorotoluene	51.4		"	50.0	ND	103	63-131				
4-Chlorotoluene	52.4		"	50.0	ND	105	63-130				
Acetone	35.6		"	50.0	ND	71.2	15-135				
Benzene	51.7		"	50.0	ND	103	55-139				
Bromobenzene	52.8		"	50.0	ND	106	63-130				
Bromochloromethane	45.5		"	50.0	ND	91.0	59-133				
Bromodichloromethane	54.5		"	50.0	ND	109	66-131				
Bromoform	55.8		"	50.0	ND	112	68-136				
Bromomethane	38.5		"	50.0	ND	77.0	23-151				
Carbon tetrachloride	54.8		"	50.0	ND	110	51-147				
Chlorobenzene	53.7		"	50.0	ND	107	75-120				
Chloroethane	41.4		"	50.0	ND	82.8	33-153				
Chloroform	53.1		"	50.0	ND	106	60-137				
Chloromethane	37.9		"	50.0	ND	75.7	20-140				
cis-1,2-Dichloroethylene	52.0		"	50.0	ND	104	59-136				
cis-1,3-Dichloropropylene	49.7		"	50.0	ND	99.3	66-128				
Dibromochloromethane	55.0		"	50.0	ND	110	68-134				
Dibromomethane	51.3		"	50.0	ND	103	71-128				
Dichlorodifluoromethane	28.9		"	50.0	ND	57.8	18-127				
Ethyl Benzene	52.6		"	50.0	ND	105	55-146				
Hexachlorobutadiene	50.0		"	50.0	ND	100	48-150				
Isopropylbenzene	54.3		"	50.0	ND	109	68-126				
Methyl tert-butyl ether (MTBE)	53.5		"	50.0	ND	107	54-148				
Methylene chloride	44.4		"	50.0	0.930	86.9	34-154				
Naphthalene	53.5		"	50.0	0.830	105	57-143				
n-Butylbenzene	48.3		"	50.0	ND	96.6	61-133				
n-Propylbenzene	52.0		"	50.0	ND	104	60-135				
o-Xylene	53.0		"	50.0	ND	106	67-129				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BG50311 - EPA 5030B

Matrix Spike (BG50311-MS1)	*Source sample: 15G0053-01 (MW-2)				Prepared: 07/07/2015 Analyzed: 07/08/2015					
p- & m- Xylenes	105		ug/L	100	ND	105	51-152			
p-Isopropyltoluene	53.5		"	50.0	1.94	103	66-129			
sec-Butylbenzene	53.3		"	50.0	ND	107	66-127			
Styrene	53.7		"	50.0	ND	107	72-126			
tert-Butylbenzene	54.8		"	50.0	ND	110	65-132			
Tetrachloroethylene	48.3		"	50.0	ND	96.5	51-140			
Toluene	52.6		"	50.0	1.44	102	53-142			
trans-1,2-Dichloroethylene	50.4		"	50.0	ND	101	49-151			
trans-1,3-Dichloropropylene	49.2		"	50.0	ND	98.3	63-129			
Trichloroethylene	50.4		"	50.0	ND	101	61-133			
Trichlorofluoromethane	45.3		"	50.0	ND	90.6	47-147			
Vinyl acetate	39.4		"	50.0	ND	78.7	16-146			
Vinyl Chloride	39.4		"	50.0	ND	78.7	25-140			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>47.9</i>		<i>"</i>	<i>50.0</i>		<i>95.8</i>	<i>65-135</i>			
<i>Surrogate: Toluene-d8</i>	<i>50.0</i>		<i>"</i>	<i>50.0</i>		<i>99.9</i>	<i>86-118</i>			
<i>Surrogate: p-Bromofluorobenzene</i>	<i>51.4</i>		<i>"</i>	<i>50.0</i>		<i>103</i>	<i>81-114</i>			



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Table with 12 columns: Analyte, Result, Reporting Limit, Units, Spike Level, Source* Result, %REC, %REC Limits, Flag, RPD, RPD Limit, Flag

Batch BG50339 - EPA 3510C

LCS (BG50339-BS1)

Prepared & Analyzed: 07/08/2015

Main data table listing analytes such as Acenaphthene, Aniline, Anthracene, Benzo(a)anthracene, etc., with their respective results and limits.



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG50339 - EPA 3510C

LCS (BG50339-BS1)

Prepared & Analyzed: 07/08/2015

3-Nitroaniline	20.9	5.00	ug/L	50.0		41.8	29-128				
2-Nitroaniline	30.4	5.00	"	50.0		60.7	31-122				
Nitrobenzene	17.9	0.250	"	50.0		35.9	32-113				
2-Nitrophenol	21.6	5.00	"	50.0		43.2	37-97				
N-nitroso-di-n-propylamine	17.0	5.00	"	50.0		34.0	36-118	Low Bias			
N-Nitrosodimethylamine	4.13	0.500	"	50.0		8.26	10-63	Low Bias			
N-Nitrosodiphenylamine	39.1	5.00	"	50.0		78.1	27-145				
Pentachlorophenol	29.6	0.250	"	50.0		59.2	19-127				
Phenanthrene	28.4	0.0500	"	50.0		56.7	31-112				
Phenol	5.13	5.00	"	50.0		10.3	10-37				
Pyrene	25.7	0.0500	"	50.0		51.4	42-125				
1,2,4-Trichlorobenzene	17.2	5.00	"	50.0		34.5	35-91	Low Bias			
2,4,5-Trichlorophenol	24.0	5.00	"	50.0		48.1	36-112				
2,4,6-Trichlorophenol	25.0	5.00	"	50.0		50.1	41-107				
<i>Surrogate: 2-Fluorophenol</i>	<i>12.9</i>		<i>"</i>	<i>75.2</i>		<i>17.2</i>	<i>10-65</i>				
<i>Surrogate: Phenol-d5</i>	<i>8.34</i>		<i>"</i>	<i>75.2</i>		<i>11.1</i>	<i>10-49</i>				
<i>Surrogate: Nitrobenzene-d5</i>	<i>19.8</i>		<i>"</i>	<i>50.0</i>		<i>39.6</i>	<i>10-96</i>				
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>22.1</i>		<i>"</i>	<i>50.2</i>		<i>44.0</i>	<i>10-93</i>				
<i>Surrogate: 2,4,6-Tribromophenol</i>	<i>32.8</i>		<i>"</i>	<i>75.2</i>		<i>43.7</i>	<i>10-128</i>				
<i>Surrogate: Terphenyl-d14</i>	<i>30.1</i>		<i>"</i>	<i>50.2</i>		<i>60.0</i>	<i>10-100</i>				

LCS (BG50339-BS2)

Prepared & Analyzed: 07/08/2015

Acenaphthene	0.470	0.0500	ug/L	1.00		47.0	24-114				
Acenaphthylene	0.470	0.0500	"	1.00		47.0	26-112				
Anthracene	0.680	0.0500	"	1.00		68.0	35-114				
Benzo(a)anthracene	0.590	0.0500	"	1.00		59.0	38-127				
Benzo(a)pyrene	0.940	0.0500	"	1.00		94.0	30-146				
Benzo(b)fluoranthene	0.570	0.0500	"	1.00		57.0	36-145				
Benzo(g,h,i)perylene	0.840	0.0500	"	1.00		84.0	10-163				
Benzo(k)fluoranthene	1.31	0.0500	"	1.00		131	16-149				
Chrysene	0.880	0.0500	"	1.00		88.0	33-120				
Dibenzo(a,h)anthracene	0.910	0.0500	"	1.00		91.0	10-149				
Fluoranthene	0.760	0.0500	"	1.00		76.0	33-126				
Fluorene	0.500	0.0500	"	1.00		50.0	28-117				
Indeno(1,2,3-cd)pyrene	0.900	0.0500	"	1.00		90.0	10-150				
Naphthalene	0.400	0.0500	"	1.00		40.0	30-99				
Phenanthrene	0.500	0.0500	"	1.00		50.0	31-112				
Pyrene	0.730	0.0500	"	1.00		73.0	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
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Batch BG50339 - EPA 3510C

LCS Dup (BG50339-BSD1)

Prepared & Analyzed: 07/08/2015

Acenaphthene	27.8	0.0500	ug/L	50.0		55.6	24-114		2.84		20
Acenaphthylene	24.4	0.0500	"	50.0		48.8	26-112		1.70		20
Aniline	9.92	5.00	"	50.0		19.8	10-107		5.92		20
Anthracene	27.5	0.0500	"	50.0		55.0	35-114		0.913		20
Benzo(a)anthracene	25.4	0.0500	"	50.0		50.9	38-127		5.82		20
Benzo(a)pyrene	34.6	0.0500	"	50.0		69.3	30-146		8.55		20
Benzo(b)fluoranthene	29.6	0.0500	"	50.0		59.2	36-145		13.0		20
Benzo(g,h,i)perylene	57.6	0.0500	"	50.0		115	10-163		2.21		20
Benzo(k)fluoranthene	29.2	0.0500	"	50.0		58.4	16-149		4.55		20
Benzyl alcohol	11.0	5.00	"	50.0		22.0	18-75		0.731		20
Benzyl butyl phthalate	28.0	5.00	"	50.0		56.0	28-129		7.29		20
4-Bromophenyl phenyl ether	26.3	5.00	"	50.0		52.6	38-116		0.993		20
4-Chloro-3-methylphenol	25.0	5.00	"	50.0		50.1	28-101		3.61		20
4-Chloroaniline	21.4	5.00	"	50.0		42.7	10-154		6.48		20
Bis(2-chloroethoxy)methane	16.9	5.00	"	50.0		33.9	27-112		2.62		20
Bis(2-chloroethyl)ether	13.7	5.00	"	50.0		27.3	24-114		0.0732		20
Bis(2-chloroisopropyl)ether	12.1	5.00	"	50.0		24.1	21-124		4.85		20
2-Chloronaphthalene	21.8	5.00	"	50.0		43.7	40-96		1.14		20
2-Chlorophenol	14.3	5.00	"	50.0		28.7	35-84	Low Bias	5.16		20
4-Chlorophenyl phenyl ether	24.7	5.00	"	50.0		49.5	34-112		3.37		20
Chrysene	26.0	0.0500	"	50.0		52.0	33-120		2.02		20
Dibenzo(a,h)anthracene	45.6	0.0500	"	50.0		91.1	10-149		0.700		20
Dibenzofuran	26.4	5.00	"	50.0		52.8	42-105		1.30		20
Di-n-butyl phthalate	29.2	5.00	"	50.0		58.5	36-110		2.60		20
1,4-Dichlorobenzene	13.8	5.00	"	50.0		27.5	42-82	Low Bias	3.57		20
1,3-Dichlorobenzene	15.0	5.00	"	50.0		30.0	45-80	Low Bias	4.87		20
1,2-Dichlorobenzene	15.3	5.00	"	50.0		30.6	42-85	Low Bias	5.16		20
3,3'-Dichlorobenzidine	37.0	5.00	"	50.0		74.0	25-155		3.69		20
2,4-Dichlorophenol	21.5	5.00	"	50.0		43.0	43-92		0.603		20
Diethyl phthalate	31.0	5.00	"	50.0		62.1	38-112		2.81		20
2,4-Dimethylphenol	19.8	5.00	"	50.0		39.7	25-92		2.54		20
Dimethyl phthalate	30.4	5.00	"	50.0		60.9	49-106		1.69		20
4,6-Dinitro-2-methylphenol	29.2	5.00	"	50.0		58.4	10-135		0.240		20
2,4-Dinitrophenol	15.7	5.00	"	50.0		31.4	10-149		1.27		20
2,4-Dinitrotoluene	33.9	5.00	"	50.0		67.8	41-114		1.84		20
2,6-Dinitrotoluene	30.4	5.00	"	50.0		60.9	49-106		4.54		20
Di-n-octyl phthalate	31.8	5.00	"	50.0		63.7	12-149		4.36		20
Bis(2-ethylhexyl)phthalate	26.0	0.500	"	50.0		52.0	10-171		0.540		20
Fluoranthene	26.9	0.0500	"	50.0		53.9	33-126		1.35		20
Fluorene	27.0	0.0500	"	50.0		54.1	28-117		1.53		20
Hexachlorobenzene	31.5	0.0200	"	50.0		63.1	27-120		1.20		20
Hexachlorobutadiene	16.2	0.500	"	50.0		32.3	25-106		4.89		20
Hexachlorocyclopentadiene	14.9	5.00	"	50.0		29.8	10-99		5.54		20
Hexachloroethane	12.1	0.500	"	50.0		24.3	33-84	Low Bias	9.42		20
Indeno(1,2,3-cd)pyrene	47.3	0.0500	"	50.0		94.6	10-150		3.79		20
Isophorone	19.2	5.00	"	50.0		38.4	29-115		2.21		20
2-Methylnaphthalene	22.6	5.00	"	50.0		45.2	33-101		1.23		20
2-Methylphenol	11.6	5.00	"	50.0		23.2	10-90		3.07		20
3- & 4-Methylphenols	9.51	5.00	"	50.0		19.0	10-101		0.942		20
Naphthalene	18.2	0.0500	"	50.0		36.5	30-99		4.24		20
4-Nitroaniline	28.1	5.00	"	50.0		56.3	15-143		7.52		20



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG50339 - EPA 3510C

LCS Dup (BG50339-BSD1)

Prepared & Analyzed: 07/08/2015

3-Nitroaniline	23.1	5.00	ug/L	50.0		46.2	29-128		10.0	20	
2-Nitroaniline	31.1	5.00	"	50.0		62.2	31-122		2.31	20	
Nitrobenzene	17.9	0.250	"	50.0		35.9	32-113		0.0558	20	
4-Nitrophenol	8.54	5.00	"	50.0		17.1	10-112		5.54	20	
2-Nitrophenol	20.6	5.00	"	50.0		41.2	37-97		4.84	20	
N-nitroso-di-n-propylamine	16.2	5.00	"	50.0		32.4	36-118	Low Bias	4.70	20	
N-Nitrosodimethylamine	6.05	0.500	"	50.0		12.1	10-63		37.7	20	Non-dir.
N-Nitrosodiphenylamine	40.9	5.00	"	50.0		81.7	27-145		4.50	20	
Pentachlorophenol	30.4	0.250	"	50.0		60.8	19-127		2.67	20	
Phenanthrene	29.3	0.0500	"	50.0		58.7	31-112		3.36	20	
Phenol	5.40	5.00	"	50.0		10.8	10-37		5.13	20	
Pyrene	27.1	0.0500	"	50.0		54.2	42-125		5.38	20	
Pyridine	3.16	5.00	"	50.0		6.32	10-46	Low Bias	15.7	20	
1,2,4-Trichlorobenzene	16.7	5.00	"	50.0		33.5	35-91	Low Bias	2.88	20	
2,4,5-Trichlorophenol	24.2	5.00	"	50.0		48.5	36-112		0.870	20	
2,4,6-Trichlorophenol	24.9	5.00	"	50.0		49.9	41-107		0.400	20	
Surrogate: 2-Fluorophenol	12.7		"	75.2		16.9	10-65				
Surrogate: Phenol-d5	9.34		"	75.2		12.4	10-49				
Surrogate: Nitrobenzene-d5	18.7		"	50.0		37.4	10-96				
Surrogate: 2-Fluorobiphenyl	20.9		"	50.2		41.6	10-93				
Surrogate: 2,4,6-Tribromophenol	32.8		"	75.2		43.6	10-128				
Surrogate: Terphenyl-d14	30.1		"	50.2		60.0	10-100				



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

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

Batch BG50320 - EPA 3010A

Blank (BG50320-BLK1)

Prepared: 07/07/2015 Analyzed: 07/08/2015

Aluminum	ND	0.050	mg/L
Antimony	ND	0.005	"
Arsenic	ND	0.004	"
Barium	ND	0.010	"
Beryllium	ND	0.001	"
Cadmium	ND	0.003	"
Calcium	ND	0.050	"
Chromium	ND	0.005	"
Cobalt	ND	0.005	"
Copper	ND	0.003	"
Iron	ND	0.020	"
Lead	ND	0.003	"
Magnesium	ND	0.050	"
Manganese	ND	0.005	"
Nickel	ND	0.005	"
Potassium	ND	0.050	"
Selenium	ND	0.010	"
Silver	ND	0.005	"
Sodium	ND	0.100	"
Thallium	ND	0.005	"
Vanadium	ND	0.010	"
Zinc	ND	0.010	"

Duplicate (BG50320-DUP1)

*Source sample: 15G0053-01 (MW-2)

Prepared: 07/07/2015 Analyzed: 07/08/2015

Aluminum	0.133	0.050	mg/L	0.129	2.96	20
Antimony	ND	0.005	"	ND		20
Arsenic	0.012	0.004	"	0.014	10.6	20
Barium	0.099	0.010	"	0.105	6.09	20
Beryllium	ND	0.001	"	ND		20
Cadmium	ND	0.003	"	ND		20
Calcium	218	0.050	"	215	1.40	20
Chromium	ND	0.005	"	ND		20
Cobalt	ND	0.005	"	ND		20
Copper	0.010	0.003	"	0.012	17.4	20
Iron	17.9	0.020	"	17.7	1.11	20
Lead	0.004	0.003	"	0.006	30.8	20 Non-dir.
Magnesium	42.0	0.050	"	41.5	1.15	20
Manganese	3.33	0.005	"	3.55	6.21	20
Nickel	ND	0.005	"	ND		20
Potassium	26.6	0.050	"	26.3	1.36	20
Selenium	ND	0.010	"	ND		20
Silver	ND	0.005	"	ND		20
Sodium	171	0.100	"	169	1.33	20
Thallium	ND	0.005	"	ND		20
Vanadium	ND	0.010	"	ND		20
Zinc	0.029	0.010	"	0.031	7.01	20



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

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

Batch BG50320 - EPA 3010A

Matrix Spike (BG50320-MS1) *Source sample: 15G0053-01 (MW-2) Prepared: 07/07/2015 Analyzed: 07/08/2015

Antimony	0.258	0.005	mg/L	0.250	ND	103	75-125			
Arsenic	2.03	0.004	"	2.00	0.014	101	75-125			
Barium	2.16	0.010	"	2.00	0.105	103	75-125			
Beryllium	0.050	0.001	"	0.0500	ND	99.4	75-125			
Cadmium	0.050	0.003	"	0.0500	ND	100	75-125			
Chromium	0.200	0.005	"	0.200	ND	100	75-125			
Cobalt	0.506	0.005	"	0.500	ND	101	75-125			
Copper	0.275	0.003	"	0.250	0.012	105	75-125			
Iron	19.0	0.020	"	1.00	17.7	129	75-125	High Bias		
Lead	0.481	0.003	"	0.500	0.006	95.1	75-125			
Manganese	3.87	0.005	"	0.500	3.55	64.5	75-125	Low Bias		
Nickel	0.510	0.005	"	0.500	ND	102	75-125			
Selenium	1.96	0.010	"	2.00	ND	97.9	75-125			
Silver	0.033	0.005	"	0.0500	ND	65.8	75-125	Low Bias		
Thallium	1.90	0.005	"	2.00	ND	95.1	75-125			
Vanadium	0.514	0.010	"	0.500	ND	103	75-125			
Zinc	0.519	0.010	"	0.500	0.031	97.7	75-125			

Reference (BG50320-SRM1) Prepared: 07/07/2015 Analyzed: 07/08/2015

Aluminum	0.478	0.050	mg/L	0.463		103	78.8-122			
Antimony	0.411	0.005	"	0.444		92.6	80.1-117			
Arsenic	0.219	0.004	"	0.243		90.2	80.7-119			
Barium	1.36	0.010	"	1.39		98.1	84.9-115			
Beryllium	0.100	0.001	"	0.107		93.5	85-115			
Cadmium	0.270	0.003	"	0.291		92.8	84.9-115			
Chromium	0.267	0.005	"	0.291		91.6	84.9-115			
Cobalt	0.672	0.005	"	0.675		99.6	85-115			
Copper	0.685	0.003	"	0.712		96.3	85-115			
Iron	0.321	0.020	"	0.354		90.8	85-115			
Lead	0.535	0.003	"	0.548		97.7	85-115			
Manganese	0.459	0.005	"	0.463		99.1	85.1-115			
Nickel	1.09	0.005	"	1.19		91.9	88.2-113			
Selenium	0.549	0.010	"	0.620		88.5	85-115			
Silver	0.483	0.005	"	0.520		93.0	85-115			
Thallium	0.275	0.005	"	0.289		95.2	80.3-118			
Vanadium	1.47	0.010	"	1.59		92.3	84.9-115			
Zinc	1.14	0.010	"	1.24		92.2	84.7-115			



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

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

Batch BG50320 - EPA 3010A

Reference (BG50320-SRM2)

Prepared: 07/07/2015 Analyzed: 07/08/2015

Calcium	44.3	0.050	mg/L	44.2		100	86-114				
Magnesium	91.4	0.050	"	90.7		101	86-114				
Potassium	63.7	0.050	"	60.9		105	84.9-115				
Sodium	74.6	0.100	"	73.8		101	85-115				

Batch BG50322 - EPA 3010A

Blank (BG50322-BLK1)

Prepared: 07/07/2015 Analyzed: 07/08/2015

Aluminum - Dissolved	ND	0.050	mg/L								
Antimony - Dissolved	ND	0.005	"								
Arsenic - Dissolved	ND	0.004	"								
Barium - Dissolved	ND	0.010	"								
Beryllium - Dissolved	ND	0.001	"								
Cadmium - Dissolved	ND	0.003	"								
Calcium - Dissolved	ND	0.050	"								
Chromium - Dissolved	ND	0.005	"								
Cobalt - Dissolved	ND	0.005	"								
Copper - Dissolved	ND	0.003	"								
Iron - Dissolved	ND	0.020	"								
Lead - Dissolved	ND	0.003	"								
Magnesium - Dissolved	ND	0.050	"								
Manganese - Dissolved	ND	0.005	"								
Nickel - Dissolved	ND	0.005	"								
Potassium - Dissolved	ND	0.050	"								
Selenium - Dissolved	ND	0.010	"								
Silver - Dissolved	ND	0.005	"								
Sodium - Dissolved	ND	0.100	"								
Thallium - Dissolved	ND	0.005	"								
Vanadium - Dissolved	ND	0.010	"								
Zinc - Dissolved	ND	0.010	"								



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

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

Batch BG50322 - EPA 3010A

Reference (BG50322-SRM1)

Prepared: 07/07/2015 Analyzed: 07/08/2015

Aluminum - Dissolved	0.477	0.050	mg/L	0.463		103	78.8-122						
Antimony - Dissolved	0.416	0.005	"	0.444		93.7	80.1-117						
Arsenic - Dissolved	0.224	0.004	"	0.243		92.0	80.7-119						
Barium - Dissolved	1.38	0.010	"	1.39		99.4	84.9-115						
Beryllium - Dissolved	0.101	0.001	"	0.107		94.7	85-115						
Cadmium - Dissolved	0.273	0.003	"	0.291		93.9	84.9-115						
Chromium - Dissolved	0.270	0.005	"	0.291		92.7	84.9-115						
Cobalt - Dissolved	0.681	0.005	"	0.675		101	85-115						
Copper - Dissolved	0.690	0.003	"	0.712		97.0	85-115						
Iron - Dissolved	0.323	0.020	"	0.354		91.2	85-115						
Lead - Dissolved	0.540	0.003	"	0.548		98.6	85-115						
Manganese - Dissolved	0.464	0.005	"	0.463		100	85.1-115						
Nickel - Dissolved	1.11	0.005	"	1.19		93.0	88.2-113						
Selenium - Dissolved	0.553	0.010	"	0.620		89.2	85-115						
Silver - Dissolved	0.488	0.005	"	0.520		93.9	85-115						
Thallium - Dissolved	0.278	0.005	"	0.289		96.1	80.3-118						
Vanadium - Dissolved	1.49	0.010	"	1.59		93.4	84.9-115						
Zinc - Dissolved	1.15	0.010	"	1.24		93.1	84.7-115						

Reference (BG50322-SRM2)

Prepared: 07/07/2015 Analyzed: 07/08/2015

Calcium - Dissolved	44.3	0.050	mg/L	44.2		100	86-114						
Magnesium - Dissolved	92.3	0.050	"	90.7		102	86-114						
Potassium - Dissolved	64.0	0.050	"	60.9		105	84.9-115						
Sodium - Dissolved	74.2	0.100	"	73.8		100	85-115						



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG50165 - EPA 7473 water

Blank (BG50165-BLK1)

Prepared: 07/04/2015 Analyzed: 07/06/2015

Mercury - Dissolved	ND	0.00020	mg/L								
Mercury	ND	0.00020	"								

Reference (BG50165-SRM1)

Prepared: 07/04/2015 Analyzed: 07/06/2015

Mercury - Dissolved	0.0025356		mg/L	0.00230		110	61.3-135				
Mercury	0.00254		mg/kg	0.00230		110	61.3-135				



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG50086 - Analysis Preparation											
Blank (BG50086-BLK1)											
Prepared & Analyzed: 07/01/2015											
Chromium, Hexavalent	ND	0.0100	mg/L								
LCS (BG50086-BS1)											
Prepared & Analyzed: 07/01/2015											
Chromium, Hexavalent	0.552	0.0100	mg/L	0.500		110	80-120				



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
15G0053-01	MW-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Notes and Definitions

QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
M-RPD	Sample conc. <5 X reporting limit.
M-MISpk	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The SRM was within acceptance limits, therefore data are acceptable.
M-HCSpk	Sample conc. >10 X spike conc.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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



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



YORK ANALYTICAL LABORATORIES
120 RESEARCH DR.
STRATFORD, CT 06615
(203) 325-1371
FAX (203) 357-0166

Field Chain-of-Custody Record

NOTE: York's Std. Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions.

York Project No. 15G0053

YOUR Information	Report to:	Invoice To:	Your Project ID	Turn-Around Time	Report/Deliverable Type
Company: Hydro Tech Env Corp Address: 15 Ocean Ave, 2nd Floor Brooklyn NY 11225 Phone.: (718) 636-0800 Contact: Morgan Violette E-mail: mviolette@hydrotechenvironmental.com	SAME <input checked="" type="checkbox"/> Name: _____ Company: _____ Address: _____ E-mail: _____	SAME <input type="checkbox"/> Name: Muslima Ward Company: Hydro Tech Env Address: 77 Arkay Drive Suite G Hauppauge, NY 11788 E-mail: mward@hydrotechenviro.com	#150133 200 East 135th Street Bronx, NY Purchase Order # 5898 Samples from CT __ NY __ X __ NJ __	RUSH-Same Day _____ RUSH-Next Day _____ RUSH-Two Day _____ RUSH-Three Day _____ RUSH-Four Day <input checked="" type="checkbox"/> Standard (5-7day) _____	Summary Report <input type="checkbox"/> QA Report <input checked="" type="checkbox"/> CT RCP _____ CT RCP DQA/DUE Pkg _____ NY ASP A Package _____ NY ASP B Package _____ NJDEP Reduced Deliv _____

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.

Adriana Zapata A.

Samples Collected/Authorized By (Signature)

Adriana Zapata

Name (printed)

- Matrix Codes**
- S - soil
 - Other - specify (oil, etc)
 - WW - wastewater
 - GW - groundwater
 - DW - drinking water
 - Air-A - ambient air
 - Air-SV - soil vapor

Volatiles	Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists
8260 full TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri. Poll.
624 Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics
STARS list Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN
BTEX Suffolk Co.	Acids Only	CT RCP	CTL5 list	NY 310-13	Full TCLP
MTBE Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX
TCL list Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part360-Routine
TAGM list TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part360-Baseline
CT RCP list 524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part360-Expanded No. Doses/Freqs
Arom. only 502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part360-Expanded Full List
Halog. only NJDEP list	App. IX	Chlordane	Indic. Metals	Air TICs	NYCDEP Sewer
App. IX list SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer
8021B list	SPLP or TCLP	608 PCB		Helium	TAGM

Excel
NYSDEC EQUIS
NJDEP SRP HazSite _____
EQUIS _____
GIS/KEY (std) _____

YORK Regulatory Comp Excel compared to:
NYSDEC Groundwater Quality Standards

OTHER: _____

Sample Identification	Date/Time Sampled	Matrix	Analysis Requested (List above includes common analysis)	Container Description
MW-2	7/1/15 @	GW	EPA 8260, 8270, 8081/8082, TAL metals (filtered and unfiltered), Chromium hexavalent & trivalent	3 1L glass amber, 2 250 mL plastic, 1 250 mL plastic w/ HNO ₃ , 3 40 mL w/ HCl

Comments:
E designation
Please have results in 4-6 days as per Hydro Tech agreement

Preservation (check all applicable)

FC Frozen HCl MeOH HNO₃ H₂SO₄ NaOH
 ZnAc Ascorbic Acid Other

Special Instructions: _____
 Samples Relinquished By: Adriana Zapata A Date/Time: 07-01-15
 Samples Received By: [Signature] Date/Time: 7/1/15 2:00 Temp on R: _____
2:00pm TC [Signature] 7/1/15 1800 4.4



Technical Report

prepared for:

Hydro Tech Environmental (Brooklyn)

15 Ocean Avenue

Brooklyn NY, 11225

Attention: Morgan Violette

Report Date: 06/22/2015

Client Project ID: #150133 200 East 135th Street Bronx, NY

York Project (SDG) No.: 15F0586

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 06/22/2015
Client Project ID: #150133 200 East 135th Street Bronx, NY
York Project (SDG) No.: 15F0586

Hydro Tech Environmental (Brooklyn)

15 Ocean Avenue
Brooklyn NY, 11225
Attention: Morgan Violette

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 June 16, 2015 and listed below. The project was identified as your project: **#150133 200 East 135th Street Bronx, NY**.

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

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

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

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

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

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
15F0586-01	MW-1	Water	06/16/2015	06/16/2015
15F0586-02	MW-2	Water	06/16/2015	06/16/2015
15F0586-03	MW-3	Water	06/16/2015	06/16/2015
15F0586-04	Field Blank	Water	06/16/2015	06/16/2015
15F0586-05	Trip Blank	Water	06/16/2015	06/16/2015

General Notes for York Project (SDG) No.: 15F0586

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

Approved By:



Benjamin Gulizia
Laboratory Director

Date: 06/22/2015





Sample Information

Client Sample ID: MW-1

York Sample ID: 15F0586-01

York Project (SDG) No.
15F0586

Client Project ID
#150133 200 East 135th Street Bronx, NY

Matrix
Water

Collection Date/Time
June 16, 2015 3:00 pm

Date Received
06/16/2015

Volatile Organics, 8260 List

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	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:13	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:13	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:13	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:13	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:13	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:13	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:13	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	250	500	100	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:13	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	250	500	100	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:13	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	250	500	100	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:13	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	250	500	100	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:13	BK
95-63-6	1,2,4-Trimethylbenzene	500		ug/L	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:13	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:13	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:13	BK
95-50-1	1,2-Dichlorobenzene	1200		ug/L	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:13	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:13	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:13	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:13	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:13	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	250	500	100	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:13	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:13	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	250	500	100	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:13	BK
78-93-3	2-Butanone	ND		ug/L	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:13	BK



Sample Information

Client Sample ID: MW-1

York Sample ID: 15F0586-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0586

#150133 200 East 135th Street Bronx, NY

Water

June 16, 2015 3:00 pm

06/16/2015

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-49-8	2-Chlorotoluene	ND		ug/L	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:13	BK
106-43-4	4-Chlorotoluene	ND		ug/L	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:13	BK
67-64-1	Acetone	1500	CCV-E, SCAL-E	ug/L	500	1000	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:13	BK
71-43-2	Benzene	ND		ug/L	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:13	BK
108-86-1	Bromobenzene	ND		ug/L	250	500	100	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:13	BK
74-97-5	Bromochloromethane	ND		ug/L	250	500	100	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:13	BK
75-27-4	Bromodichloromethane	ND		ug/L	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:13	BK
75-25-2	Bromoform	ND		ug/L	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:13	BK
74-83-9	Bromomethane	ND		ug/L	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:13	BK
56-23-5	Carbon tetrachloride	ND		ug/L	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:13	BK
108-90-7	Chlorobenzene	ND		ug/L	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:13	BK
75-00-3	Chloroethane	ND		ug/L	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:13	BK
67-66-3	Chloroform	ND		ug/L	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:13	BK
74-87-3	Chloromethane	ND		ug/L	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:13	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:13	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:13	BK
124-48-1	Dibromochloromethane	ND		ug/L	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:13	BK
74-95-3	Dibromomethane	ND		ug/L	250	500	100	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:13	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	250	500	100	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:13	BK
100-41-4	Ethyl Benzene	ND		ug/L	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:13	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	250	500	100	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:13	BK
98-82-8	Isopropylbenzene	ND		ug/L	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:13	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:13	BK



Sample Information

Client Sample ID: MW-1

York Sample ID: 15F0586-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0586

#150133 200 East 135th Street Bronx, NY

Water

June 16, 2015 3:00 pm

06/16/2015

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-09-2	Methylene chloride	ND		ug/L	250	1000	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:13	BK
91-20-3	Naphthalene	1500		ug/L	250	1000	100	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:13	BK
104-51-8	n-Butylbenzene	670		ug/L	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:13	BK
103-65-1	n-Propylbenzene	ND		ug/L	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:13	BK
95-47-6	o-Xylene	ND		ug/L	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,PADEP	06/19/2015 16:45	06/19/2015 23:13	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	500	1000	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,PADEP	06/19/2015 16:45	06/19/2015 23:13	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:13	BK
135-98-8	sec-Butylbenzene	ND		ug/L	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:13	BK
100-42-5	Styrene	ND		ug/L	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:13	BK
98-06-6	tert-Butylbenzene	ND		ug/L	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:13	BK
127-18-4	Tetrachloroethylene	ND		ug/L	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:13	BK
108-88-3	Toluene	ND		ug/L	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:13	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:13	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:13	BK
79-01-6	Trichloroethylene	ND		ug/L	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:13	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:13	BK
108-05-4	Vinyl acetate	ND		ug/L	250	500	100	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/19/2015 16:45	06/19/2015 23:13	BK
75-01-4	Vinyl Chloride	ND		ug/L	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:13	BK
1330-20-7	Xylenes, Total	ND		ug/L	750	1500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 16:45	06/19/2015 23:13	BK
	Surrogate Recoveries	Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	97.3 %			65-135						
2037-26-5	Surrogate: Toluene-d8	106 %			86-118						
460-00-4	Surrogate: p-Bromofluorobenzene	125 %	S-08		81-114						

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes: EXT-EM



Sample Information

Client Sample ID: MW-1

York Sample ID: 15F0586-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0586

#150133 200 East 135th Street Bronx, NY

Water

June 16, 2015 3:00 pm

06/16/2015

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
83-32-9	Acenaphthene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 14:30	KH
208-96-8	Acenaphthylene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 14:30	KH
62-53-3	Aniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:11	SR
120-12-7	Anthracene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 14:30	KH
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 14:30	KH
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 14:30	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 14:30	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 14:30	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 14:30	KH
100-51-6	Benzyl alcohol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:11	SR
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:11	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:11	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:11	SR
106-47-8	4-Chloroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:11	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:11	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:11	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:11	SR
91-58-7	2-Chloronaphthalene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:11	SR
95-57-8	2-Chlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:11	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:11	SR
218-01-9	Chrysene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 14:30	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:11	SR
132-64-9	Dibenzofuran	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:11	SR
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:11	SR



Sample Information

Client Sample ID: MW-1

York Sample ID: 15F0586-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0586

#150133 200 East 135th Street Bronx, NY

Water

June 16, 2015 3:00 pm

06/16/2015

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854	06/19/2015 08:09	06/19/2015 16:11	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854	06/19/2015 08:09	06/19/2015 16:11	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854	06/19/2015 08:09	06/19/2015 16:11	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:11	SR
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:11	SR
84-66-2	Diethyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:11	SR
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:11	SR
131-11-3	Dimethyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:11	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:11	SR
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:11	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:11	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:11	SR
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:11	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.513	0.513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 14:30	KH
206-44-0	Fluoranthene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 14:30	KH
86-73-7	Fluorene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 14:30	KH
118-74-1	Hexachlorobenzene	ND		ug/L	0.0205	0.0205	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 14:30	KH
87-68-3	Hexachlorobutadiene	ND		ug/L	0.513	0.513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:11	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:11	SR
67-72-1	Hexachloroethane	ND		ug/L	0.513	0.513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 14:30	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 14:30	KH
78-59-1	Isophorone	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:11	SR
91-57-6	2-Methylnaphthalene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:11	SR
95-48-7	2-Methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:11	SR



Sample Information

Client Sample ID: MW-1

York Sample ID: 15F0586-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0586

#150133 200 East 135th Street Bronx, NY

Water

June 16, 2015 3:00 pm

06/16/2015

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:11	SR
91-20-3	Naphthalene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 14:30	KH
100-01-6	4-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:11	SR
99-09-2	3-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:11	SR
88-74-4	2-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:11	SR
98-95-3	Nitrobenzene	ND		ug/L	0.256	0.256	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:11	SR
100-02-7	4-Nitrophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:11	SR
88-75-5	2-Nitrophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:11	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:11	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.513	0.513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:11	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:11	SR
87-86-5	Pentachlorophenol	ND		ug/L	0.256	0.256	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 14:30	KH
85-01-8	Phenanthrene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 14:30	KH
108-95-2	Phenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:11	SR
129-00-0	Pyrene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 14:30	KH
110-86-1	Pyridine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:11	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:11	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:11	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:11	SR
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	24.8 %	10-65								
4165-62-2	Surrogate: Phenol-d5	15.0 %	10-49								
4165-60-0	Surrogate: Nitrobenzene-d5	32.9 %	10-96								
321-60-8	Surrogate: 2-Fluorobiphenyl	19.8 %	10-93								
118-79-6	Surrogate: 2,4,6-Tribromophenol	22.4 %	10-128								
1718-51-0	Surrogate: Terphenyl-d14	12.8 %	10-100								



Sample Information

Client Sample ID: MW-1

York Sample ID: 15F0586-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0586

#150133 200 East 135th Street Bronx, NY

Water

June 16, 2015 3:00 pm

06/16/2015

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	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	0.00430		ug/L	0.00410	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2015 12:17	06/22/2015 15:23	AMC
72-55-9	4,4'-DDE	ND		ug/L	0.00410	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2015 12:17	06/22/2015 15:23	AMC
50-29-3	4,4'-DDT	ND		ug/L	0.00410	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2015 12:17	06/22/2015 15:23	AMC
309-00-2	Aldrin	ND		ug/L	0.00410	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2015 12:17	06/22/2015 15:23	AMC
319-84-6	alpha-BHC	ND		ug/L	0.00410	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2015 12:17	06/22/2015 15:23	AMC
5103-71-9	alpha-Chlordane	ND		ug/L	0.00410	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2015 12:17	06/22/2015 15:23	AMC
319-85-7	beta-BHC	ND		ug/L	0.00410	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2015 12:17	06/22/2015 15:23	AMC
57-74-9	Chlordane, total	ND		ug/L	0.0410	0.0410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2015 12:17	06/22/2015 15:23	AMC
319-86-8	delta-BHC	ND		ug/L	0.00410	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2015 12:17	06/22/2015 15:23	AMC
60-57-1	Dieldrin	ND		ug/L	0.00205	0.00205	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2015 12:17	06/22/2015 15:23	AMC
959-98-8	Endosulfan I	ND		ug/L	0.00410	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2015 12:17	06/22/2015 15:23	AMC
33213-65-9	Endosulfan II	ND		ug/L	0.00410	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2015 12:17	06/22/2015 15:23	AMC
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00410	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2015 12:17	06/22/2015 15:23	AMC
72-20-8	Endrin	ND		ug/L	0.00410	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2015 12:17	06/22/2015 15:23	AMC
7421-93-4	Endrin aldehyde	ND		ug/L	0.0103	0.0103	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2015 12:17	06/22/2015 15:23	AMC
53494-70-5	Endrin ketone	ND		ug/L	0.0103	0.0103	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2015 12:17	06/22/2015 15:23	AMC
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00410	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2015 12:17	06/22/2015 15:23	AMC
5103-74-2	gamma-Chlordane	ND		ug/L	0.0103	0.0103	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2015 12:17	06/22/2015 15:23	AMC
76-44-8	Heptachlor	ND		ug/L	0.00410	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2015 12:17	06/22/2015 15:23	AMC
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00410	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2015 12:17	06/22/2015 15:23	AMC
72-43-5	Methoxychlor	ND		ug/L	0.00410	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2015 12:17	06/22/2015 15:23	AMC
8001-35-2	Toxaphene	ND		ug/L	0.103	0.103	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2015 12:17	06/22/2015 15:23	AMC
	Surrogate Recoveries	Result			Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	4.57 %	S-DUP		30-120						



Sample Information

Client Sample ID: MW-1

York Sample ID: 15F0586-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0586

#150133 200 East 135th Street Bronx, NY

Water

June 16, 2015 3:00 pm

06/16/2015

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	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2051-24-3	Surrogate: Decachlorobiphenyl	2.77 %	S-DUP		30-120						

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes: EXT-EM

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

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0513	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	06/22/2015 12:17	06/22/2015 14:27	AMC
11104-28-2	Aroclor 1221	ND		ug/L	0.0513	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	06/22/2015 12:17	06/22/2015 14:27	AMC
11141-16-5	Aroclor 1232	ND		ug/L	0.0513	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	06/22/2015 12:17	06/22/2015 14:27	AMC
53469-21-9	Aroclor 1242	ND		ug/L	0.0513	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	06/22/2015 12:17	06/22/2015 14:27	AMC
12672-29-6	Aroclor 1248	ND		ug/L	0.0513	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	06/22/2015 12:17	06/22/2015 14:27	AMC
11097-69-1	Aroclor 1254	ND		ug/L	0.0513	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	06/22/2015 12:17	06/22/2015 14:27	AMC
11096-82-5	Aroclor 1260	ND		ug/L	0.0513	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	06/22/2015 12:17	06/22/2015 14:27	AMC
1336-36-3	* Total PCBs	ND		ug/L	0.0513	0.0513	1	EPA 8082A Certifications:	06/22/2015 12:17	06/22/2015 14:27	AMC

Surrogate Recoveries

Result

Acceptance Range

877-09-8	Surrogate: Tetrachloro-m-xylene	7.39 %	S-DUP		30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	3.98 %	S-DUP		30-120						

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	29.3		mg/L	0.050	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:10	06/19/2015 23:18	AMC
7440-36-0	Antimony	0.059		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:10	06/19/2015 23:18	AMC
7440-38-2	Arsenic	ND		mg/L	0.004	0.004	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:10	06/19/2015 23:18	AMC
7440-39-3	Barium	0.369		mg/L	0.010	0.010	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:10	06/19/2015 23:18	AMC
7440-41-7	Beryllium	ND		mg/L	0.001	0.001	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:10	06/19/2015 23:18	AMC
7440-43-9	Cadmium	ND		mg/L	0.003	0.003	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:10	06/19/2015 23:18	AMC
7440-70-2	Calcium	136		mg/L	0.050	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:10	06/19/2015 23:18	AMC



Sample Information

Client Sample ID: MW-1

York Sample ID: 15F0586-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0586

#150133 200 East 135th Street Bronx, NY

Water

June 16, 2015 3:00 pm

06/16/2015

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-47-3	Chromium	0.057		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:10	06/19/2015 23:18	AMC
7440-48-4	Cobalt	ND		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:10	06/19/2015 23:18	AMC
7440-50-8	Copper	0.115		mg/L	0.003	0.003	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:10	06/19/2015 23:18	AMC
7439-89-6	Iron	18.4		mg/L	0.020	0.020	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:10	06/19/2015 23:18	AMC
7439-92-1	Lead	0.227		mg/L	0.003	0.003	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:10	06/19/2015 23:18	AMC
7439-95-4	Magnesium	25.0		mg/L	0.050	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:10	06/19/2015 23:18	AMC
7439-96-5	Manganese	0.519		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:10	06/19/2015 23:18	AMC
7440-02-0	Nickel	ND		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:10	06/19/2015 23:18	AMC
7440-09-7	Potassium	24.6		mg/L	0.050	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:10	06/19/2015 23:18	AMC
7782-49-2	Selenium	0.160		mg/L	0.010	0.010	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:10	06/19/2015 23:18	AMC
7440-22-4	Silver	ND		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:10	06/19/2015 23:18	AMC
7440-23-5	Sodium	173	B	mg/L	0.100	0.100	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:10	06/19/2015 23:18	AMC
7440-28-0	Thallium	ND		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:10	06/19/2015 23:18	AMC
7440-62-2	Vanadium	0.062		mg/L	0.010	0.010	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:10	06/19/2015 23:18	AMC
7440-66-6	Zinc	0.156		mg/L	0.010	0.010	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:10	06/19/2015 23:18	AMC

Metals, Target Analyte, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	3.43		mg/L	0.050	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:05	06/19/2015 20:10	AMC
7440-36-0	Antimony	0.040		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:05	06/19/2015 20:10	AMC
7440-38-2	Arsenic	ND		mg/L	0.004	0.004	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:05	06/19/2015 20:10	AMC
7440-39-3	Barium	0.099		mg/L	0.010	0.010	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:05	06/19/2015 20:10	AMC
7440-41-7	Beryllium	ND		mg/L	0.001	0.001	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:05	06/19/2015 20:10	AMC



Sample Information

Client Sample ID: MW-1

York Sample ID: 15F0586-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0586

#150133 200 East 135th Street Bronx, NY

Water

June 16, 2015 3:00 pm

06/16/2015

Metals, Target Analyte, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-43-9	Cadmium	ND		mg/L	0.003	0.003	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:05	06/19/2015 20:10	AMC
7440-70-2	Calcium	112		mg/L	0.050	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:05	06/19/2015 20:10	AMC
7440-47-3	Chromium	0.012		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:05	06/19/2015 20:10	AMC
7440-48-4	Cobalt	ND		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:05	06/19/2015 20:10	AMC
7440-50-8	Copper	0.039		mg/L	0.003	0.003	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:05	06/19/2015 20:10	AMC
7439-89-6	Iron	2.14		mg/L	0.020	0.020	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:05	06/19/2015 20:10	AMC
7439-92-1	Lead	0.027		mg/L	0.003	0.003	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:05	06/19/2015 20:10	AMC
7439-95-4	Magnesium	21.6		mg/L	0.050	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:05	06/19/2015 20:10	AMC
7439-96-5	Manganese	0.277		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:05	06/19/2015 20:10	AMC
7440-02-0	Nickel	ND		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:05	06/19/2015 20:10	AMC
7440-09-7	Potassium	16.4		mg/L	0.050	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:05	06/19/2015 20:10	AMC
7782-49-2	Selenium	0.060		mg/L	0.010	0.010	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:05	06/19/2015 20:10	AMC
7440-22-4	Silver	ND		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:05	06/19/2015 20:10	AMC
7440-23-5	Sodium	157		mg/L	0.100	0.100	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:05	06/19/2015 20:10	AMC
7440-28-0	Thallium	ND		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:05	06/19/2015 20:10	AMC
7440-62-2	Vanadium	ND		mg/L	0.010	0.010	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:05	06/19/2015 20:10	AMC
7440-66-6	Zinc	0.016		mg/L	0.010	0.010	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:05	06/19/2015 20:10	AMC

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00020	0.00020	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/17/2015 08:14	06/17/2015 15:20	ALD

Mercury by 7473, Dissolved

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: MW-1

York Sample ID: 15F0586-01

York Project (SDG) No. 15F0586 Client Project ID #150133 200 East 135th Street Bronx, NY Matrix Water Collection Date/Time June 16, 2015 3:00 pm Date Received 06/16/2015

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00020	0.00020	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/17/2015 08:14	06/17/2015 15:20	ALD

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/L	0.0100	0.0100	1	EPA 7196A Certifications: NELAC-NY10854,CTDOH,NJDEP	06/16/2015 18:35	06/16/2015 19:17	SCA

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	0.0570		mg/L	0.00800	0.0100	1	Calculation Certifications:	06/22/2015 13:00	06/22/2015 13:01	SCA

Sample Information

Client Sample ID: MW-2

York Sample ID: 15F0586-02

York Project (SDG) No. 15F0586 Client Project ID #150133 200 East 135th Street Bronx, NY Matrix Water Collection Date/Time June 16, 2015 3:00 pm Date Received 06/16/2015

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:49	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:49	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:49	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:49	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:49	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:49	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:49	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:49	BK



Sample Information

Client Sample ID: MW-2

York Sample ID: 15F0586-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0586

#150133 200 East 135th Street Bronx, NY

Water

June 16, 2015 3:00 pm

06/16/2015

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:49	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:49	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:49	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:49	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:49	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:49	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:49	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:49	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:49	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:49	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:49	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:49	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:49	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:49	BK
78-93-3	2-Butanone	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:49	BK
95-49-8	2-Chlorotoluene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:49	BK
106-43-4	4-Chlorotoluene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:49	BK
67-64-1	Acetone	ND		ug/L	5.0	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:49	BK
71-43-2	Benzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:49	BK
108-86-1	Bromobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:49	BK
74-97-5	Bromochloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:49	BK
75-27-4	Bromodichloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:49	BK
75-25-2	Bromoform	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:49	BK
74-83-9	Bromomethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:49	BK



Sample Information

Client Sample ID: MW-2

York Sample ID: 15F0586-02

York Project (SDG) No.

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Water

June 16, 2015 3:00 pm

06/16/2015

Volatile Organics, 8260 List

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
56-23-5	Carbon tetrachloride	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:49	BK
108-90-7	Chlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:49	BK
75-00-3	Chloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:49	BK
67-66-3	Chloroform	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:49	BK
74-87-3	Chloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:49	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:49	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:49	BK
124-48-1	Dibromochloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:49	BK
74-95-3	Dibromomethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:49	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:49	BK
100-41-4	Ethyl Benzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:49	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:49	BK
98-82-8	Isopropylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:49	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:49	BK
75-09-2	Methylene chloride	ND		ug/L	2.5	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:49	BK
91-20-3	Naphthalene	ND		ug/L	2.5	10	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:49	BK
104-51-8	n-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:49	BK
103-65-1	n-Propylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:49	BK
95-47-6	o-Xylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,PADEP	06/19/2015 16:45	06/19/2015 23:49	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	5.0	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,PADEP	06/19/2015 16:45	06/19/2015 23:49	BK
99-87-6	p-Isopropyltoluene	3.0	J	ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:49	BK
135-98-8	sec-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:49	BK
100-42-5	Styrene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:49	BK
98-06-6	tert-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:49	BK



Sample Information

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Water

June 16, 2015 3:00 pm

06/16/2015

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:49	BK
108-88-3	Toluene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:49	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:49	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:49	BK
79-01-6	Trichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:49	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:49	BK
108-05-4	Vinyl acetate	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/19/2015 16:45	06/19/2015 23:49	BK
75-01-4	Vinyl Chloride	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/19/2015 23:49	BK
1330-20-7	Xylenes, Total	ND		ug/L	7.5	15	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 16:45	06/19/2015 23:49	BK
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	98.3 %	65-135								
2037-26-5	Surrogate: Toluene-d8	103 %	86-118								
460-00-4	Surrogate: p-Bromofluorobenzene	102 %	81-114								

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 15:00	KH
208-96-8	Acenaphthylene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 15:00	KH
62-53-3	Aniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:44	SR
120-12-7	Anthracene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 15:00	KH
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 15:00	KH
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 15:00	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 15:00	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 15:00	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 15:00	KH



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Water

June 16, 2015 3:00 pm

06/16/2015

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-51-6	Benzyl alcohol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:44	SR
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:44	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:44	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:44	SR
106-47-8	4-Chloroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:44	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:44	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:44	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:44	SR
91-58-7	2-Chloronaphthalene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:44	SR
95-57-8	2-Chlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:44	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:44	SR
218-01-9	Chrysene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 15:00	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 15:00	KH
132-64-9	Dibenzofuran	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:44	SR
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:44	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854	06/19/2015 08:09	06/19/2015 16:44	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854	06/19/2015 08:09	06/19/2015 16:44	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854	06/19/2015 08:09	06/19/2015 16:44	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:44	SR
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:44	SR
84-66-2	Diethyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:44	SR
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:44	SR
131-11-3	Dimethyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:44	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:44	SR



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Water

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Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:44	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:44	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:44	SR
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:44	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.513	0.513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 15:00	KH
206-44-0	Fluoranthene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 15:00	KH
86-73-7	Fluorene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 15:00	KH
118-74-1	Hexachlorobenzene	ND		ug/L	0.0205	0.0205	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 15:00	KH
87-68-3	Hexachlorobutadiene	ND		ug/L	0.513	0.513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:44	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:44	SR
67-72-1	Hexachloroethane	ND		ug/L	0.513	0.513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 15:00	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 15:00	KH
78-59-1	Isophorone	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:44	SR
91-57-6	2-Methylnaphthalene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:44	SR
95-48-7	2-Methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:44	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:44	SR
91-20-3	Naphthalene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 15:00	KH
100-01-6	4-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:44	SR
99-09-2	3-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:44	SR
88-74-4	2-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:44	SR
98-95-3	Nitrobenzene	ND		ug/L	0.256	0.256	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:44	SR
100-02-7	4-Nitrophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:44	SR
88-75-5	2-Nitrophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:44	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:44	SR



Sample Information

Client Sample ID: MW-2

York Sample ID: 15F0586-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0586

#150133 200 East 135th Street Bronx, NY

Water

June 16, 2015 3:00 pm

06/16/2015

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.513	0.513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:44	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:44	SR
87-86-5	Pentachlorophenol	ND		ug/L	0.256	0.256	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 15:00	KH
85-01-8	Phenanthrene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 15:00	KH
108-95-2	Phenol	8.40		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:44	SR
129-00-0	Pyrene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 15:00	KH
110-86-1	Pyridine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:44	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:44	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:44	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:44	SR
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	29.9 %	10-65								
4165-62-2	Surrogate: Phenol-d5	16.6 %	10-49								
4165-60-0	Surrogate: Nitrobenzene-d5	65.5 %	10-96								
321-60-8	Surrogate: 2-Fluorobiphenyl	55.5 %	10-93								
118-79-6	Surrogate: 2,4,6-Tribromophenol	62.5 %	10-128								
1718-51-0	Surrogate: Terphenyl-d14	66.6 %	10-100								

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 LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00485	0.00485	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/18/2015 07:55	06/22/2015 11:35	AMC
72-55-9	4,4'-DDE	ND		ug/L	0.00485	0.00485	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/18/2015 07:55	06/22/2015 11:35	AMC
50-29-3	4,4'-DDT	ND		ug/L	0.00485	0.00485	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/18/2015 07:55	06/22/2015 11:35	AMC
309-00-2	Aldrin	ND		ug/L	0.00485	0.00485	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/18/2015 07:55	06/22/2015 11:35	AMC
319-84-6	alpha-BHC	ND		ug/L	0.00485	0.00485	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/18/2015 07:55	06/22/2015 11:35	AMC
5103-71-9	alpha-Chlordane	ND		ug/L	0.00485	0.00485	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/18/2015 07:55	06/22/2015 11:35	AMC



Sample Information

Client Sample ID: MW-2

York Sample ID: 15F0586-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0586

#150133 200 East 135th Street Bronx, NY

Water

June 16, 2015 3:00 pm

06/16/2015

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	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
319-85-7	beta-BHC	ND		ug/L	0.00485	0.00485	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/18/2015 07:55	06/22/2015 11:35	AMC
57-74-9	Chlordane, total	ND		ug/L	0.0485	0.0485	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/18/2015 07:55	06/22/2015 11:35	AMC
319-86-8	delta-BHC	ND		ug/L	0.00485	0.00485	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/18/2015 07:55	06/22/2015 11:35	AMC
60-57-1	Dieldrin	ND		ug/L	0.00242	0.00242	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/18/2015 07:55	06/22/2015 11:35	AMC
959-98-8	Endosulfan I	ND		ug/L	0.00485	0.00485	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/18/2015 07:55	06/22/2015 11:35	AMC
33213-65-9	Endosulfan II	ND		ug/L	0.00485	0.00485	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/18/2015 07:55	06/22/2015 11:35	AMC
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00485	0.00485	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/18/2015 07:55	06/22/2015 11:35	AMC
72-20-8	Endrin	ND		ug/L	0.00485	0.00485	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/18/2015 07:55	06/22/2015 11:35	AMC
7421-93-4	Endrin aldehyde	ND		ug/L	0.0121	0.0121	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/18/2015 07:55	06/22/2015 11:35	AMC
53494-70-5	Endrin ketone	ND		ug/L	0.0121	0.0121	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/18/2015 07:55	06/22/2015 11:35	AMC
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00485	0.00485	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/18/2015 07:55	06/22/2015 11:35	AMC
5103-74-2	gamma-Chlordane	ND		ug/L	0.0121	0.0121	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/18/2015 07:55	06/22/2015 11:35	AMC
76-44-8	Heptachlor	ND		ug/L	0.00485	0.00485	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/18/2015 07:55	06/22/2015 11:35	AMC
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00485	0.00485	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/18/2015 07:55	06/22/2015 11:35	AMC
72-43-5	Methoxychlor	ND		ug/L	0.00485	0.00485	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/18/2015 07:55	06/22/2015 11:35	AMC
8001-35-2	Toxaphene	ND		ug/L	0.121	0.121	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/18/2015 07:55	06/22/2015 11:35	AMC
	Surrogate Recoveries	Result						Acceptance Range			
877-09-8	Surrogate: Tetrachloro-m-xylene	52.7 %						30-120			
2051-24-3	Surrogate: Decachlorobiphenyl	59.9 %						30-120			

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes: EXT-EM

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

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0606	0.0606	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	06/18/2015 07:55	06/19/2015 16:03	AMC
11104-28-2	Aroclor 1221	ND		ug/L	0.0606	0.0606	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	06/18/2015 07:55	06/19/2015 16:03	AMC
11141-16-5	Aroclor 1232	ND		ug/L	0.0606	0.0606	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	06/18/2015 07:55	06/19/2015 16:03	AMC



Sample Information

Client Sample ID: MW-2

York Sample ID: 15F0586-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0586

#150133 200 East 135th Street Bronx, NY

Water

June 16, 2015 3:00 pm

06/16/2015

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes: EXT-EM

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

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
53469-21-9	Aroclor 1242	ND		ug/L	0.0606	0.0606	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	06/18/2015 07:55	06/19/2015 16:03	AMC
12672-29-6	Aroclor 1248	ND		ug/L	0.0606	0.0606	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	06/18/2015 07:55	06/19/2015 16:03	AMC
11097-69-1	Aroclor 1254	ND		ug/L	0.0606	0.0606	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	06/18/2015 07:55	06/19/2015 16:03	AMC
11096-82-5	Aroclor 1260	ND		ug/L	0.0606	0.0606	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	06/18/2015 07:55	06/19/2015 16:03	AMC
1336-36-3	* Total PCBs	ND		ug/L	0.0606	0.0606	1	EPA 8082A Certifications:	06/18/2015 07:55	06/19/2015 16:03	AMC
Surrogate Recoveries		Result			Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	64.5 %			30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	99.5 %			30-120						

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	0.110		mg/L	0.050	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:10	06/19/2015 23:23	AMC
7440-36-0	Antimony	ND		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:10	06/19/2015 23:23	AMC
7440-38-2	Arsenic	0.012		mg/L	0.004	0.004	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:10	06/19/2015 23:23	AMC
7440-39-3	Barium	0.097		mg/L	0.010	0.010	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:10	06/19/2015 23:23	AMC
7440-41-7	Beryllium	ND		mg/L	0.001	0.001	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:10	06/19/2015 23:23	AMC
7440-43-9	Cadmium	ND		mg/L	0.003	0.003	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:10	06/19/2015 23:23	AMC
7440-70-2	Calcium	206		mg/L	0.050	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:10	06/19/2015 23:23	AMC
7440-47-3	Chromium	ND		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:10	06/19/2015 23:23	AMC
7440-48-4	Cobalt	0.005		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:10	06/19/2015 23:23	AMC
7440-50-8	Copper	0.009		mg/L	0.003	0.003	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:10	06/19/2015 23:23	AMC
7439-89-6	Iron	17.3		mg/L	0.020	0.020	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:10	06/19/2015 23:23	AMC
7439-92-1	Lead	ND		mg/L	0.003	0.003	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:10	06/19/2015 23:23	AMC
7439-95-4	Magnesium	38.1		mg/L	0.050	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:10	06/19/2015 23:23	AMC



Sample Information

Client Sample ID: MW-2

York Sample ID: 15F0586-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0586

#150133 200 East 135th Street Bronx, NY

Water

June 16, 2015 3:00 pm

06/16/2015

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	Manganese	3.69		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:10	06/19/2015 23:23	AMC
7440-02-0	Nickel	0.009		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:10	06/19/2015 23:23	AMC
7440-09-7	Potassium	24.5		mg/L	0.050	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:10	06/19/2015 23:23	AMC
7782-49-2	Selenium	0.038		mg/L	0.010	0.010	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:10	06/19/2015 23:23	AMC
7440-22-4	Silver	ND		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:10	06/19/2015 23:23	AMC
7440-23-5	Sodium	163	B	mg/L	0.100	0.100	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:10	06/19/2015 23:23	AMC
7440-28-0	Thallium	ND		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:10	06/19/2015 23:23	AMC
7440-62-2	Vanadium	ND		mg/L	0.010	0.010	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:10	06/19/2015 23:23	AMC
7440-66-6	Zinc	0.024		mg/L	0.010	0.010	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:10	06/19/2015 23:23	AMC

Metals, Target Analyte, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.050	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:05	06/19/2015 20:15	AMC
7440-36-0	Antimony	ND		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:05	06/19/2015 20:15	AMC
7440-38-2	Arsenic	ND		mg/L	0.004	0.004	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:05	06/19/2015 20:15	AMC
7440-39-3	Barium	0.051		mg/L	0.010	0.010	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:05	06/19/2015 20:15	AMC
7440-41-7	Beryllium	ND		mg/L	0.001	0.001	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:05	06/19/2015 20:15	AMC
7440-43-9	Cadmium	ND		mg/L	0.003	0.003	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:05	06/19/2015 20:15	AMC
7440-70-2	Calcium	205		mg/L	0.050	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:05	06/19/2015 20:15	AMC
7440-47-3	Chromium	ND		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:05	06/19/2015 20:15	AMC
7440-48-4	Cobalt	ND		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:05	06/19/2015 20:15	AMC
7440-50-8	Copper	0.007		mg/L	0.003	0.003	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:05	06/19/2015 20:15	AMC
7439-89-6	Iron	0.134		mg/L	0.020	0.020	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:05	06/19/2015 20:15	AMC



Sample Information

Client Sample ID: MW-2

York Sample ID: 15F0586-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0586

#150133 200 East 135th Street Bronx, NY

Water

June 16, 2015 3:00 pm

06/16/2015

Metals, Target Analyte, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	ND		mg/L	0.003	0.003	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:05	06/19/2015 20:15	AMC
7439-95-4	Magnesium	37.5		mg/L	0.050	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:05	06/19/2015 20:15	AMC
7439-96-5	Manganese	3.51		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:05	06/19/2015 20:15	AMC
7440-02-0	Nickel	0.007		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:05	06/19/2015 20:15	AMC
7440-09-7	Potassium	24.2		mg/L	0.050	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:05	06/19/2015 20:15	AMC
7782-49-2	Selenium	0.025		mg/L	0.010	0.010	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:05	06/19/2015 20:15	AMC
7440-22-4	Silver	ND		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:05	06/19/2015 20:15	AMC
7440-23-5	Sodium	162		mg/L	0.100	0.100	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:05	06/19/2015 20:15	AMC
7440-28-0	Thallium	ND		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:05	06/19/2015 20:15	AMC
7440-62-2	Vanadium	ND		mg/L	0.010	0.010	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:05	06/19/2015 20:15	AMC
7440-66-6	Zinc	ND		mg/L	0.010	0.010	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:05	06/19/2015 20:15	AMC

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00020	0.00020	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/17/2015 08:14	06/17/2015 15:20	ALD

Mercury by 7473, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00020	0.00020	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/17/2015 08:14	06/17/2015 15:20	ALD

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/L	0.0100	0.0100	1	EPA 7196A Certifications: NELAC-NY10854,CTDOH,NJDEP	06/16/2015 18:35	06/16/2015 19:17	SCA



Sample Information

Client Sample ID: MW-2

York Sample ID: 15F0586-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0586

#150133 200 East 135th Street Bronx, NY

Water

June 16, 2015 3:00 pm

06/16/2015

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, LOD/MDL, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 16065-83-1 * Chromium, Trivalent, ND, mg/L, 0.00800, 0.0100, 1, Calculation, 06/22/2015 13:00, 06/22/2015 13:01, SCA

Sample Information

Client Sample ID: MW-3

York Sample ID: 15F0586-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0586

#150133 200 East 135th Street Bronx, NY

Water

June 16, 2015 3:00 pm

06/16/2015

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, LOD/MDL, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows include 630-20-6, 71-55-6, 79-34-5, 76-13-1, 79-00-5, 75-34-3, 75-35-4, 563-58-6, 87-61-6, 96-18-4, 120-82-1, 95-63-6, 96-12-8, 106-93-4, 95-50-1.



Sample Information

Client Sample ID: MW-3

York Sample ID: 15F0586-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0586

#150133 200 East 135th Street Bronx, NY

Water

June 16, 2015 3:00 pm

06/16/2015

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-06-2	1,2-Dichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 00:26	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 00:26	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 00:26	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 00:26	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 00:26	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 00:26	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 00:26	BK
78-93-3	2-Butanone	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 00:26	BK
95-49-8	2-Chlorotoluene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 00:26	BK
106-43-4	4-Chlorotoluene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 00:26	BK
67-64-1	Acetone	ND		ug/L	5.0	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 00:26	BK
71-43-2	Benzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 00:26	BK
108-86-1	Bromobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 00:26	BK
74-97-5	Bromochloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 00:26	BK
75-27-4	Bromodichloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 00:26	BK
75-25-2	Bromoform	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 00:26	BK
74-83-9	Bromomethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 00:26	BK
56-23-5	Carbon tetrachloride	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 00:26	BK
108-90-7	Chlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 00:26	BK
75-00-3	Chloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 00:26	BK
67-66-3	Chloroform	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 00:26	BK
74-87-3	Chloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 00:26	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 00:26	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 00:26	BK



Sample Information

Client Sample ID: MW-3

York Sample ID: 15F0586-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0586

#150133 200 East 135th Street Bronx, NY

Water

June 16, 2015 3:00 pm

06/16/2015

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
124-48-1	Dibromochloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 00:26	BK
74-95-3	Dibromomethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 00:26	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 00:26	BK
100-41-4	Ethyl Benzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 00:26	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 00:26	BK
98-82-8	Isopropylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 00:26	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 00:26	BK
75-09-2	Methylene chloride	ND		ug/L	2.5	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 00:26	BK
91-20-3	Naphthalene	ND		ug/L	2.5	10	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 00:26	BK
104-51-8	n-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 00:26	BK
103-65-1	n-Propylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 00:26	BK
95-47-6	o-Xylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,PADEP	06/19/2015 16:45	06/20/2015 00:26	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	5.0	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,PADEP	06/19/2015 16:45	06/20/2015 00:26	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 00:26	BK
135-98-8	sec-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 00:26	BK
100-42-5	Styrene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 00:26	BK
98-06-6	tert-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 00:26	BK
127-18-4	Tetrachloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 00:26	BK
108-88-3	Toluene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 00:26	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 00:26	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 00:26	BK
79-01-6	Trichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 00:26	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 00:26	BK
108-05-4	Vinyl acetate	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/19/2015 16:45	06/20/2015 00:26	BK



Sample Information

Client Sample ID: MW-3

York Sample ID: 15F0586-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0586

#150133 200 East 135th Street Bronx, NY

Water

June 16, 2015 3:00 pm

06/16/2015

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 00:26	BK
1330-20-7	Xylenes, Total	ND		ug/L	7.5	15	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 16:45	06/20/2015 00:26	BK
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	97.3 %			65-135						
2037-26-5	Surrogate: Toluene-d8	104 %			86-118						
460-00-4	Surrogate: p-Bromofluorobenzene	104 %			81-114						

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 15:30	KH
208-96-8	Acenaphthylene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 15:30	KH
62-53-3	Aniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 17:17	SR
120-12-7	Anthracene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 15:30	KH
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 15:30	KH
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 15:30	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 15:30	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 15:30	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 15:30	KH
100-51-6	Benzyl alcohol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 17:17	SR
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 17:17	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 17:17	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 17:17	SR
106-47-8	4-Chloroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 17:17	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 17:17	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 17:17	SR



Sample Information

Client Sample ID: MW-3

York Sample ID: 15F0586-03

York Project (SDG) No.

Client Project ID

Matrix

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15F0586

#150133 200 East 135th Street Bronx, NY

Water

June 16, 2015 3:00 pm

06/16/2015

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 17:17	SR
91-58-7	2-Chloronaphthalene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 17:17	SR
95-57-8	2-Chlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 17:17	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 17:17	SR
218-01-9	Chrysene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 15:30	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 15:30	KH
132-64-9	Dibenzofuran	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 17:17	SR
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 17:17	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854	06/19/2015 08:09	06/19/2015 17:17	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854	06/19/2015 08:09	06/19/2015 17:17	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854	06/19/2015 08:09	06/19/2015 17:17	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 17:17	SR
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 17:17	SR
84-66-2	Diethyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 17:17	SR
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 17:17	SR
131-11-3	Dimethyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 17:17	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 17:17	SR
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 17:17	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 17:17	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 17:17	SR
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 17:17	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.513	0.513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 17:17	SR
206-44-0	Fluoranthene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 15:30	KH
86-73-7	Fluorene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 15:30	KH



Sample Information

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15F0586

#150133 200 East 135th Street Bronx, NY

Water

June 16, 2015 3:00 pm

06/16/2015

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
118-74-1	Hexachlorobenzene	ND		ug/L	0.0205	0.0205	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 15:30	KH
87-68-3	Hexachlorobutadiene	ND		ug/L	0.513	0.513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 17:17	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 17:17	SR
67-72-1	Hexachloroethane	ND		ug/L	0.513	0.513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 17:17	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 15:30	KH
78-59-1	Isophorone	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 17:17	SR
91-57-6	2-Methylnaphthalene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 17:17	SR
95-48-7	2-Methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 17:17	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 17:17	SR
91-20-3	Naphthalene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 15:30	KH
100-01-6	4-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 17:17	SR
99-09-2	3-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 17:17	SR
88-74-4	2-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 17:17	SR
98-95-3	Nitrobenzene	ND		ug/L	0.256	0.256	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 17:17	SR
100-02-7	4-Nitrophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 17:17	SR
88-75-5	2-Nitrophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 17:17	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 17:17	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.513	0.513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 17:17	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 17:17	SR
87-86-5	Pentachlorophenol	ND		ug/L	0.256	0.256	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 15:30	KH
85-01-8	Phenanthrene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 15:30	KH
108-95-2	Phenol	5.60		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 17:17	SR
129-00-0	Pyrene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 15:30	KH
110-86-1	Pyridine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 17:17	SR



Sample Information

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15F0586

#150133 200 East 135th Street Bronx, NY

Water

June 16, 2015 3:00 pm

06/16/2015

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 17:17	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 17:17	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 17:17	SR
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	22.5 %	10-65								
4165-62-2	Surrogate: Phenol-d5	14.3 %	10-49								
4165-60-0	Surrogate: Nitrobenzene-d5	58.9 %	10-96								
321-60-8	Surrogate: 2-Fluorobiphenyl	51.8 %	10-93								
118-79-6	Surrogate: 2,4,6-Tribromophenol	63.2 %	10-128								
1718-51-0	Surrogate: Terphenyl-d14	66.8 %	10-100								

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 LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00471	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/18/2015 07:55	06/22/2015 11:51	AMC
72-55-9	4,4'-DDE	ND		ug/L	0.00471	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/18/2015 07:55	06/22/2015 11:51	AMC
50-29-3	4,4'-DDT	ND		ug/L	0.00471	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/18/2015 07:55	06/22/2015 11:51	AMC
309-00-2	Aldrin	ND		ug/L	0.00471	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/18/2015 07:55	06/22/2015 11:51	AMC
319-84-6	alpha-BHC	ND		ug/L	0.00471	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/18/2015 07:55	06/22/2015 11:51	AMC
5103-71-9	alpha-Chlordane	ND		ug/L	0.00471	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/18/2015 07:55	06/22/2015 11:51	AMC
319-85-7	beta-BHC	ND		ug/L	0.00471	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/18/2015 07:55	06/22/2015 11:51	AMC
57-74-9	Chlordane, total	ND		ug/L	0.0471	0.0471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/18/2015 07:55	06/22/2015 11:51	AMC
319-86-8	delta-BHC	ND		ug/L	0.00471	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/18/2015 07:55	06/22/2015 11:51	AMC
60-57-1	Dieldrin	ND		ug/L	0.00235	0.00235	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/18/2015 07:55	06/22/2015 11:51	AMC
959-98-8	Endosulfan I	ND		ug/L	0.00471	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/18/2015 07:55	06/22/2015 11:51	AMC
33213-65-9	Endosulfan II	ND		ug/L	0.00471	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/18/2015 07:55	06/22/2015 11:51	AMC
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00471	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/18/2015 07:55	06/22/2015 11:51	AMC



Sample Information

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Water

June 16, 2015 3:00 pm

06/16/2015

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	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-20-8	Endrin	ND		ug/L	0.00471	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/18/2015 07:55	06/22/2015 11:51	AMC
7421-93-4	Endrin aldehyde	ND		ug/L	0.0118	0.0118	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/18/2015 07:55	06/22/2015 11:51	AMC
53494-70-5	Endrin ketone	ND		ug/L	0.0118	0.0118	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/18/2015 07:55	06/22/2015 11:51	AMC
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00471	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/18/2015 07:55	06/22/2015 11:51	AMC
5103-74-2	gamma-Chlordane	ND		ug/L	0.0118	0.0118	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/18/2015 07:55	06/22/2015 11:51	AMC
76-44-8	Heptachlor	ND		ug/L	0.00471	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/18/2015 07:55	06/22/2015 11:51	AMC
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00471	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/18/2015 07:55	06/22/2015 11:51	AMC
72-43-5	Methoxychlor	ND		ug/L	0.00471	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/18/2015 07:55	06/22/2015 11:51	AMC
8001-35-2	Toxaphene	ND		ug/L	0.118	0.118	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/18/2015 07:55	06/22/2015 11:51	AMC
Surrogate Recoveries		Result	Acceptance Range								
877-09-8	Surrogate: Tetrachloro-m-xylene	40.3 %	30-120								
2051-24-3	Surrogate: Decachlorobiphenyl	38.0 %	30-120								

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes: EXT-EM

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

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0588	0.0588	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	06/18/2015 07:55	06/19/2015 16:23	AMC
11104-28-2	Aroclor 1221	ND		ug/L	0.0588	0.0588	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	06/18/2015 07:55	06/19/2015 16:23	AMC
11141-16-5	Aroclor 1232	ND		ug/L	0.0588	0.0588	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	06/18/2015 07:55	06/19/2015 16:23	AMC
53469-21-9	Aroclor 1242	ND		ug/L	0.0588	0.0588	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	06/18/2015 07:55	06/19/2015 16:23	AMC
12672-29-6	Aroclor 1248	ND		ug/L	0.0588	0.0588	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	06/18/2015 07:55	06/19/2015 16:23	AMC
11097-69-1	Aroclor 1254	ND		ug/L	0.0588	0.0588	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	06/18/2015 07:55	06/19/2015 16:23	AMC
11096-82-5	Aroclor 1260	ND		ug/L	0.0588	0.0588	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	06/18/2015 07:55	06/19/2015 16:23	AMC
1336-36-3	* Total PCBs	ND		ug/L	0.0588	0.0588	1	EPA 8082A Certifications:	06/18/2015 07:55	06/19/2015 16:23	AMC
Surrogate Recoveries		Result	Acceptance Range								
877-09-8	Surrogate: Tetrachloro-m-xylene	53.2 %	30-120								
2051-24-3	Surrogate: Decachlorobiphenyl	77.1 %	30-120								



Sample Information

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Water

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Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	1.38		mg/L	0.050	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:10	06/19/2015 23:28	AMC
7440-36-0	Antimony	0.005		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:10	06/19/2015 23:28	AMC
7440-38-2	Arsenic	ND		mg/L	0.004	0.004	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:10	06/19/2015 23:28	AMC
7440-39-3	Barium	0.203		mg/L	0.010	0.010	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:10	06/19/2015 23:28	AMC
7440-41-7	Beryllium	ND		mg/L	0.001	0.001	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:10	06/19/2015 23:28	AMC
7440-43-9	Cadmium	ND		mg/L	0.003	0.003	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:10	06/19/2015 23:28	AMC
7440-70-2	Calcium	299		mg/L	0.050	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:10	06/19/2015 23:28	AMC
7440-47-3	Chromium	0.006		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:10	06/19/2015 23:28	AMC
7440-48-4	Cobalt	ND		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:10	06/19/2015 23:28	AMC
7440-50-8	Copper	0.028		mg/L	0.003	0.003	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:10	06/19/2015 23:28	AMC
7439-89-6	Iron	19.5		mg/L	0.020	0.020	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:10	06/19/2015 23:28	AMC
7439-92-1	Lead	0.036		mg/L	0.003	0.003	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:10	06/19/2015 23:28	AMC
7439-95-4	Magnesium	164		mg/L	0.050	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:10	06/19/2015 23:28	AMC
7439-96-5	Manganese	2.69		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:10	06/19/2015 23:28	AMC
7440-02-0	Nickel	ND		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:10	06/19/2015 23:28	AMC
7440-09-7	Potassium	77.2		mg/L	0.050	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:10	06/19/2015 23:28	AMC
7782-49-2	Selenium	0.017		mg/L	0.010	0.010	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:10	06/19/2015 23:28	AMC
7440-22-4	Silver	ND		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:10	06/19/2015 23:28	AMC
7440-23-5	Sodium	816	B	mg/L	0.100	0.100	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:10	06/19/2015 23:28	AMC
7440-28-0	Thallium	ND		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:10	06/19/2015 23:28	AMC
7440-62-2	Vanadium	ND		mg/L	0.010	0.010	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:10	06/19/2015 23:28	AMC
7440-66-6	Zinc	0.065		mg/L	0.010	0.010	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:10	06/19/2015 23:28	AMC



Sample Information

Client Sample ID: MW-3

York Sample ID: 15F0586-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0586

#150133 200 East 135th Street Bronx, NY

Water

June 16, 2015 3:00 pm

06/16/2015

Metals, Target Analyte, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.050	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:05	06/19/2015 20:21	AMC
7440-36-0	Antimony	ND		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:05	06/19/2015 20:21	AMC
7440-38-2	Arsenic	ND		mg/L	0.004	0.004	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:05	06/19/2015 20:21	AMC
7440-39-3	Barium	0.056		mg/L	0.010	0.010	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:05	06/19/2015 20:21	AMC
7440-41-7	Beryllium	ND		mg/L	0.001	0.001	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:05	06/19/2015 20:21	AMC
7440-43-9	Cadmium	ND		mg/L	0.003	0.003	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:05	06/19/2015 20:21	AMC
7440-70-2	Calcium	273		mg/L	0.050	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:05	06/19/2015 20:21	AMC
7440-47-3	Chromium	ND		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:05	06/19/2015 20:21	AMC
7440-48-4	Cobalt	ND		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:05	06/19/2015 20:21	AMC
7440-50-8	Copper	0.010		mg/L	0.003	0.003	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:05	06/19/2015 20:21	AMC
7439-89-6	Iron	1.50		mg/L	0.020	0.020	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:05	06/19/2015 20:21	AMC
7439-92-1	Lead	ND		mg/L	0.003	0.003	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:05	06/19/2015 20:21	AMC
7439-95-4	Magnesium	145		mg/L	0.050	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:05	06/19/2015 20:21	AMC
7439-96-5	Manganese	2.38		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:05	06/19/2015 20:21	AMC
7440-02-0	Nickel	ND		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:05	06/19/2015 20:21	AMC
7440-09-7	Potassium	71.1		mg/L	0.050	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:05	06/19/2015 20:21	AMC
7782-49-2	Selenium	0.027		mg/L	0.010	0.010	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:05	06/19/2015 20:21	AMC
7440-22-4	Silver	ND		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:05	06/19/2015 20:21	AMC
7440-23-5	Sodium	782		mg/L	0.100	0.100	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:05	06/19/2015 20:21	AMC
7440-28-0	Thallium	ND		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:05	06/19/2015 20:21	AMC
7440-62-2	Vanadium	ND		mg/L	0.010	0.010	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:05	06/19/2015 20:21	AMC
7440-66-6	Zinc	0.015		mg/L	0.010	0.010	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:05	06/19/2015 20:21	AMC



Sample Information

Client Sample ID: MW-3 **York Sample ID:** 15F0586-03
York Project (SDG) No. 15F0586 **Client Project ID** #150133 200 East 135th Street Bronx, NY **Matrix** Water **Collection Date/Time** June 16, 2015 3:00 pm **Date Received** 06/16/2015

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00020	0.00020	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/17/2015 08:14	06/17/2015 15:20	ALD

Mercury by 7473, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00020	0.00020	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/17/2015 08:14	06/17/2015 15:20	ALD

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/L	0.0100	0.0100	1	EPA 7196A Certifications: NELAC-NY10854,CTDOH,NJDEP	06/16/2015 18:35	06/16/2015 19:17	SCA

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	ND		mg/L	0.00800	0.0100	1	Calculation Certifications:	06/22/2015 13:00	06/22/2015 13:01	SCA

Sample Information

Client Sample ID: Field Blank **York Sample ID:** 15F0586-04
York Project (SDG) No. 15F0586 **Client Project ID** #150133 200 East 135th Street Bronx, NY **Matrix** Water **Collection Date/Time** June 16, 2015 3:00 pm **Date Received** 06/16/2015

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:02	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:02	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:02	BK



Sample Information

Client Sample ID: Field Blank

York Sample ID: 15F0586-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0586

#150133 200 East 135th Street Bronx, NY

Water

June 16, 2015 3:00 pm

06/16/2015

Volatile Organics, 8260 List

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
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:02	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:02	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:02	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:02	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:02	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:02	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:02	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:02	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:02	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:02	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:02	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:02	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:02	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:02	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:02	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:02	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:02	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:02	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:02	BK
78-93-3	2-Butanone	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:02	BK
95-49-8	2-Chlorotoluene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:02	BK
106-43-4	4-Chlorotoluene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:02	BK
67-64-1	Acetone	ND		ug/L	5.0	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:02	BK
71-43-2	Benzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:02	BK



Sample Information

Client Sample ID: Field Blank

York Sample ID: 15F0586-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0586

#150133 200 East 135th Street Bronx, NY

Water

June 16, 2015 3:00 pm

06/16/2015

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

Table with 13 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows list various chemical compounds like Bromobenzene, Chlorobenzene, etc., with their respective results and analysis details.



Sample Information

Client Sample ID: Field Blank

York Sample ID: 15F0586-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0586

#150133 200 East 135th Street Bronx, NY

Water

June 16, 2015 3:00 pm

06/16/2015

Volatile Organics, 8260 List

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
179601-23-1	p- & m- Xylenes	ND		ug/L	5.0	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,PADEP	06/19/2015 16:45	06/20/2015 01:02	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:02	BK
135-98-8	sec-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:02	BK
100-42-5	Styrene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:02	BK
98-06-6	tert-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:02	BK
127-18-4	Tetrachloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:02	BK
108-88-3	Toluene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:02	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:02	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:02	BK
79-01-6	Trichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:02	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:02	BK
108-05-4	Vinyl acetate	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/19/2015 16:45	06/20/2015 01:02	BK
75-01-4	Vinyl Chloride	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:02	BK
1330-20-7	Xylenes, Total	ND		ug/L	7.5	15	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 16:45	06/20/2015 01:02	BK

Surrogate Recoveries

Result

Acceptance Range

17060-07-0	Surrogate: 1,2-Dichloroethane-d4	98.7 %
2037-26-5	Surrogate: Toluene-d8	103 %
460-00-4	Surrogate: p-Bromofluorobenzene	106 %

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	0.0667	0.0667	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:01	KH
208-96-8	Acenaphthylene	ND		ug/L	0.0667	0.0667	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:01	KH
62-53-3	Aniline	ND		ug/L	3.33	6.67	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 17:50	SR
120-12-7	Anthracene	ND		ug/L	0.0667	0.0667	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:01	KH



Sample Information

Client Sample ID: Field Blank

York Sample ID: 15F0586-04

York Project (SDG) No.

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Collection Date/Time

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15F0586

#150133 200 East 135th Street Bronx, NY

Water

June 16, 2015 3:00 pm

06/16/2015

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0667	0.0667	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:01	KH
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0667	0.0667	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:01	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0667	0.0667	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:01	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0667	0.0667	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:01	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0667	0.0667	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:01	KH
100-51-6	Benzyl alcohol	ND		ug/L	3.33	6.67	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 17:50	SR
85-68-7	Benzyl butyl phthalate	ND		ug/L	3.33	6.67	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 17:50	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	3.33	6.67	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 17:50	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	3.33	6.67	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 17:50	SR
106-47-8	4-Chloroaniline	ND		ug/L	3.33	6.67	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 17:50	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	3.33	6.67	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 17:50	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	3.33	6.67	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 17:50	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	3.33	6.67	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 17:50	SR
91-58-7	2-Chloronaphthalene	ND		ug/L	3.33	6.67	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 17:50	SR
95-57-8	2-Chlorophenol	ND		ug/L	3.33	6.67	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 17:50	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	3.33	6.67	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 17:50	SR
218-01-9	Chrysene	ND		ug/L	0.0667	0.0667	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:01	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0667	0.0667	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:01	KH
132-64-9	Dibenzofuran	ND		ug/L	3.33	6.67	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 17:50	SR
84-74-2	Di-n-butyl phthalate	ND		ug/L	3.33	6.67	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 17:50	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	3.33	6.67	1	EPA 8270D Certifications: NELAC-NY10854	06/19/2015 08:09	06/19/2015 17:50	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	3.33	6.67	1	EPA 8270D Certifications: NELAC-NY10854	06/19/2015 08:09	06/19/2015 17:50	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	3.33	6.67	1	EPA 8270D Certifications: NELAC-NY10854	06/19/2015 08:09	06/19/2015 17:50	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/L	3.33	6.67	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 17:50	SR



Sample Information

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06/16/2015

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-83-2	2,4-Dichlorophenol	ND		ug/L	3.33	6.67	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 17:50	SR
84-66-2	Diethyl phthalate	ND		ug/L	3.33	6.67	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 17:50	SR
105-67-9	2,4-Dimethylphenol	ND		ug/L	3.33	6.67	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 17:50	SR
131-11-3	Dimethyl phthalate	ND		ug/L	3.33	6.67	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 17:50	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	3.33	6.67	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 17:50	SR
51-28-5	2,4-Dinitrophenol	ND		ug/L	3.33	6.67	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 17:50	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/L	3.33	6.67	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 17:50	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/L	3.33	6.67	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 17:50	SR
117-84-0	Di-n-octyl phthalate	ND		ug/L	3.33	6.67	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 17:50	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.667	0.667	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:01	KH
206-44-0	Fluoranthene	ND		ug/L	0.0667	0.0667	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:01	KH
86-73-7	Fluorene	ND		ug/L	0.0667	0.0667	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:01	KH
118-74-1	Hexachlorobenzene	ND		ug/L	0.0267	0.0267	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:01	KH
87-68-3	Hexachlorobutadiene	ND		ug/L	0.667	0.667	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 17:50	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	3.33	6.67	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 17:50	SR
67-72-1	Hexachloroethane	ND		ug/L	0.667	0.667	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 17:50	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0667	0.0667	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:01	KH
78-59-1	Isophorone	ND		ug/L	3.33	6.67	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 17:50	SR
91-57-6	2-Methylnaphthalene	ND		ug/L	3.33	6.67	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 17:50	SR
95-48-7	2-Methylphenol	ND		ug/L	3.33	6.67	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 17:50	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/L	3.33	6.67	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 17:50	SR
91-20-3	Naphthalene	ND		ug/L	0.0667	0.0667	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 17:50	SR
100-01-6	4-Nitroaniline	ND		ug/L	3.33	6.67	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 17:50	SR
99-09-2	3-Nitroaniline	ND		ug/L	3.33	6.67	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 17:50	SR



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Water

June 16, 2015 3:00 pm

06/16/2015

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
88-74-4	2-Nitroaniline	ND		ug/L	3.33	6.67	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 17:50	SR
98-95-3	Nitrobenzene	ND		ug/L	0.333	0.333	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 17:50	SR
100-02-7	4-Nitrophenol	ND		ug/L	3.33	6.67	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 17:50	SR
88-75-5	2-Nitrophenol	ND		ug/L	3.33	6.67	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 17:50	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	3.33	6.67	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 17:50	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.667	0.667	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 17:50	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	3.33	6.67	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 17:50	SR
87-86-5	Pentachlorophenol	ND		ug/L	0.333	0.333	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:01	KH
85-01-8	Phenanthrene	ND		ug/L	0.0667	0.0667	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:01	KH
108-95-2	Phenol	ND		ug/L	3.33	6.67	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 17:50	SR
129-00-0	Pyrene	ND		ug/L	0.0667	0.0667	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 16:01	KH
110-86-1	Pyridine	ND		ug/L	3.33	6.67	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 17:50	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	3.33	6.67	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 17:50	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	3.33	6.67	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 17:50	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	3.33	6.67	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 08:09	06/19/2015 17:50	SR
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: 2-Fluorophenol	34.7 %			10-65						
4165-62-2	Surrogate: Phenol-d5	22.5 %			10-49						
4165-60-0	Surrogate: Nitrobenzene-d5	63.3 %			10-96						
321-60-8	Surrogate: 2-Fluorobiphenyl	50.3 %			10-93						
118-79-6	Surrogate: 2,4,6-Tribromophenol	57.1 %			10-128						
1718-51-0	Surrogate: Terphenyl-d14	69.6 %			10-100						

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 LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00421	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/18/2015 07:55	06/22/2015 12:06	AMC



Sample Information

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#150133 200 East 135th Street Bronx, NY

Water

June 16, 2015 3:00 pm

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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-55-9	4,4'-DDE	ND		ug/L	0.00421	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/18/2015 07:55	06/22/2015 12:06	AMC
50-29-3	4,4'-DDT	ND		ug/L	0.00421	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/18/2015 07:55	06/22/2015 12:06	AMC
309-00-2	Aldrin	ND		ug/L	0.00421	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/18/2015 07:55	06/22/2015 12:06	AMC
319-84-6	alpha-BHC	ND		ug/L	0.00421	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/18/2015 07:55	06/22/2015 12:06	AMC
5103-71-9	alpha-Chlordane	ND		ug/L	0.00421	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/18/2015 07:55	06/22/2015 12:06	AMC
319-85-7	beta-BHC	ND		ug/L	0.00421	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/18/2015 07:55	06/22/2015 12:06	AMC
57-74-9	Chlordane, total	ND		ug/L	0.0421	0.0421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/18/2015 07:55	06/22/2015 12:06	AMC
319-86-8	delta-BHC	ND		ug/L	0.00421	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/18/2015 07:55	06/22/2015 12:06	AMC
60-57-1	Dieldrin	ND		ug/L	0.00211	0.00211	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/18/2015 07:55	06/22/2015 12:06	AMC
959-98-8	Endosulfan I	ND		ug/L	0.00421	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/18/2015 07:55	06/22/2015 12:06	AMC
33213-65-9	Endosulfan II	ND		ug/L	0.00421	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/18/2015 07:55	06/22/2015 12:06	AMC
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00421	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/18/2015 07:55	06/22/2015 12:06	AMC
72-20-8	Endrin	ND		ug/L	0.00421	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/18/2015 07:55	06/22/2015 12:06	AMC
7421-93-4	Endrin aldehyde	ND		ug/L	0.0105	0.0105	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/18/2015 07:55	06/22/2015 12:06	AMC
53494-70-5	Endrin ketone	ND		ug/L	0.0105	0.0105	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/18/2015 07:55	06/22/2015 12:06	AMC
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00421	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/18/2015 07:55	06/22/2015 12:06	AMC
5103-74-2	gamma-Chlordane	ND		ug/L	0.0105	0.0105	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/18/2015 07:55	06/22/2015 12:06	AMC
76-44-8	Heptachlor	ND		ug/L	0.00421	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/18/2015 07:55	06/22/2015 12:06	AMC
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00421	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/18/2015 07:55	06/22/2015 12:06	AMC
72-43-5	Methoxychlor	ND		ug/L	0.00421	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/18/2015 07:55	06/22/2015 12:06	AMC
8001-35-2	Toxaphene	ND		ug/L	0.105	0.105	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	06/18/2015 07:55	06/22/2015 12:06	AMC
	Surrogate Recoveries	Result						Acceptance Range			
877-09-8	Surrogate: Tetrachloro-m-xylene	47.1 %						30-120			
2051-24-3	Surrogate: Decachlorobiphenyl	67.3 %						30-120			



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Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0526	0.0526	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	06/18/2015 07:55	06/19/2015 16:42	AMC
11104-28-2	Aroclor 1221	ND		ug/L	0.0526	0.0526	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	06/18/2015 07:55	06/19/2015 16:42	AMC
11141-16-5	Aroclor 1232	ND		ug/L	0.0526	0.0526	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	06/18/2015 07:55	06/19/2015 16:42	AMC
53469-21-9	Aroclor 1242	ND		ug/L	0.0526	0.0526	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	06/18/2015 07:55	06/19/2015 16:42	AMC
12672-29-6	Aroclor 1248	ND		ug/L	0.0526	0.0526	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	06/18/2015 07:55	06/19/2015 16:42	AMC
11097-69-1	Aroclor 1254	ND		ug/L	0.0526	0.0526	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	06/18/2015 07:55	06/19/2015 16:42	AMC
11096-82-5	Aroclor 1260	ND		ug/L	0.0526	0.0526	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP	06/18/2015 07:55	06/19/2015 16:42	AMC
1336-36-3	* Total PCBs	ND		ug/L	0.0526	0.0526	1	EPA 8082A Certifications:	06/18/2015 07:55	06/19/2015 16:42	AMC
Surrogate Recoveries		Result			Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	58.1 %			30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	107 %			30-120						

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.050	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:10	06/19/2015 23:33	AMC
7440-36-0	Antimony	ND		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:10	06/19/2015 23:33	AMC
7440-38-2	Arsenic	ND		mg/L	0.004	0.004	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:10	06/19/2015 23:33	AMC
7440-39-3	Barium	ND		mg/L	0.010	0.010	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:10	06/19/2015 23:33	AMC
7440-41-7	Beryllium	ND		mg/L	0.001	0.001	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:10	06/19/2015 23:33	AMC
7440-43-9	Cadmium	ND		mg/L	0.003	0.003	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:10	06/19/2015 23:33	AMC
7440-70-2	Calcium	ND		mg/L	0.050	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:10	06/19/2015 23:33	AMC
7440-47-3	Chromium	ND		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:10	06/19/2015 23:33	AMC
7440-48-4	Cobalt	ND		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:10	06/19/2015 23:33	AMC
7440-50-8	Copper	ND		mg/L	0.003	0.003	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:10	06/19/2015 23:33	AMC



Sample Information

Client Sample ID: Field Blank

York Sample ID: 15F0586-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0586

#150133 200 East 135th Street Bronx, NY

Water

June 16, 2015 3:00 pm

06/16/2015

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	ND		mg/L	0.020	0.020	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:10	06/19/2015 23:33	AMC
7439-92-1	Lead	ND		mg/L	0.003	0.003	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:10	06/19/2015 23:33	AMC
7439-95-4	Magnesium	ND		mg/L	0.050	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:10	06/19/2015 23:33	AMC
7439-96-5	Manganese	ND		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:10	06/19/2015 23:33	AMC
7440-02-0	Nickel	ND		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:10	06/19/2015 23:33	AMC
7440-09-7	Potassium	0.139		mg/L	0.050	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:10	06/19/2015 23:33	AMC
7782-49-2	Selenium	ND		mg/L	0.010	0.010	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:10	06/19/2015 23:33	AMC
7440-22-4	Silver	ND		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:10	06/19/2015 23:33	AMC
7440-23-5	Sodium	1.09	B	mg/L	0.100	0.100	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:10	06/19/2015 23:33	AMC
7440-28-0	Thallium	ND		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:10	06/19/2015 23:33	AMC
7440-62-2	Vanadium	ND		mg/L	0.010	0.010	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:10	06/19/2015 23:33	AMC
7440-66-6	Zinc	0.014		mg/L	0.010	0.010	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:10	06/19/2015 23:33	AMC

Metals, Target Analyte, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.050	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:05	06/19/2015 20:26	AMC
7440-36-0	Antimony	ND		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:05	06/19/2015 20:26	AMC
7440-38-2	Arsenic	0.006		mg/L	0.004	0.004	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:05	06/19/2015 20:26	AMC
7440-39-3	Barium	ND		mg/L	0.010	0.010	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:05	06/19/2015 20:26	AMC
7440-41-7	Beryllium	ND		mg/L	0.001	0.001	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:05	06/19/2015 20:26	AMC
7440-43-9	Cadmium	ND		mg/L	0.003	0.003	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:05	06/19/2015 20:26	AMC
7440-70-2	Calcium	ND		mg/L	0.050	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:05	06/19/2015 20:26	AMC
7440-47-3	Chromium	ND		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:05	06/19/2015 20:26	AMC
7440-48-4	Cobalt	ND		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:05	06/19/2015 20:26	AMC



Sample Information

Client Sample ID: Field Blank

York Sample ID: 15F0586-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0586

#150133 200 East 135th Street Bronx, NY

Water

June 16, 2015 3:00 pm

06/16/2015

Metals, Target Analyte, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-50-8	Copper	ND		mg/L	0.003	0.003	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:05	06/19/2015 20:26	AMC
7439-89-6	Iron	ND		mg/L	0.020	0.020	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:05	06/19/2015 20:26	AMC
7439-92-1	Lead	ND		mg/L	0.003	0.003	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:05	06/19/2015 20:26	AMC
7439-95-4	Magnesium	ND		mg/L	0.050	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:05	06/19/2015 20:26	AMC
7439-96-5	Manganese	ND		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:05	06/19/2015 20:26	AMC
7440-02-0	Nickel	ND		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:05	06/19/2015 20:26	AMC
7440-09-7	Potassium	0.133		mg/L	0.050	0.050	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:05	06/19/2015 20:26	AMC
7782-49-2	Selenium	0.014		mg/L	0.010	0.010	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:05	06/19/2015 20:26	AMC
7440-22-4	Silver	ND		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:05	06/19/2015 20:26	AMC
7440-23-5	Sodium	1.01		mg/L	0.100	0.100	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:05	06/19/2015 20:26	AMC
7440-28-0	Thallium	ND		mg/L	0.005	0.005	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:05	06/19/2015 20:26	AMC
7440-62-2	Vanadium	ND		mg/L	0.010	0.010	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:05	06/19/2015 20:26	AMC
7440-66-6	Zinc	ND		mg/L	0.010	0.010	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 18:05	06/19/2015 20:26	AMC

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00020	0.00020	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/17/2015 08:14	06/17/2015 15:20	ALD

Mercury by 7473, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00020	0.00020	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/17/2015 08:14	06/17/2015 15:20	ALD

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

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

Client Sample ID: Field Blank

York Sample ID: 15F0586-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0586

#150133 200 East 135th Street Bronx, NY

Water

June 16, 2015 3:00 pm

06/16/2015

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/L	0.0100	0.0100	1	EPA 7196A Certifications: NELAC-NY10854,CTDOH,NJDEP	06/16/2015 18:35	06/16/2015 19:17	SCA

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	ND		mg/L	0.00800	0.0100	1	Calculation Certifications:	06/22/2015 13:00	06/22/2015 13:01	SCA

Sample Information

Client Sample ID: Trip Blank

York Sample ID: 15F0586-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0586

#150133 200 East 135th Street Bronx, NY

Water

June 16, 2015 3:00 pm

06/16/2015

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:38	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:38	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:38	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:38	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:38	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:38	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:38	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:38	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:38	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:38	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:38	BK



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 15F0586-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0586

#150133 200 East 135th Street Bronx, NY

Water

June 16, 2015 3:00 pm

06/16/2015

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:38	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:38	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:38	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:38	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:38	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:38	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:38	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:38	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:38	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:38	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:38	BK
78-93-3	2-Butanone	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:38	BK
95-49-8	2-Chlorotoluene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:38	BK
106-43-4	4-Chlorotoluene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:38	BK
67-64-1	Acetone	ND		ug/L	5.0	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:38	BK
71-43-2	Benzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:38	BK
108-86-1	Bromobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:38	BK
74-97-5	Bromochloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:38	BK
75-27-4	Bromodichloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:38	BK
75-25-2	Bromoform	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:38	BK
74-83-9	Bromomethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:38	BK
56-23-5	Carbon tetrachloride	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:38	BK
108-90-7	Chlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:38	BK
75-00-3	Chloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:38	BK



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 15F0586-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0586

#150133 200 East 135th Street Bronx, NY

Water

June 16, 2015 3:00 pm

06/16/2015

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-66-3	Chloroform	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:38	BK
74-87-3	Chloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:38	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:38	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:38	BK
124-48-1	Dibromochloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:38	BK
74-95-3	Dibromomethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:38	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:38	BK
100-41-4	Ethyl Benzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:38	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:38	BK
98-82-8	Isopropylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:38	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:38	BK
75-09-2	Methylene chloride	5.3	J	ug/L	2.5	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:38	BK
91-20-3	Naphthalene	ND		ug/L	2.5	10	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:38	BK
104-51-8	n-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:38	BK
103-65-1	n-Propylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:38	BK
95-47-6	o-Xylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,PADEP	06/19/2015 16:45	06/20/2015 01:38	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	5.0	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,PADEP	06/19/2015 16:45	06/20/2015 01:38	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:38	BK
135-98-8	sec-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:38	BK
100-42-5	Styrene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:38	BK
98-06-6	tert-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:38	BK
127-18-4	Tetrachloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:38	BK
108-88-3	Toluene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:38	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:38	BK



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 15F0586-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0586

#150133 200 East 135th Street Bronx, NY

Water

June 16, 2015 3:00 pm

06/16/2015

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:38	BK
79-01-6	Trichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:38	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:38	BK
108-05-4	Vinyl acetate	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/19/2015 16:45	06/20/2015 01:38	BK
75-01-4	Vinyl Chloride	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/19/2015 16:45	06/20/2015 01:38	BK
1330-20-7	Xylenes, Total	ND		ug/L	7.5	15	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/19/2015 16:45	06/20/2015 01:38	BK
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	98.2 %			65-135						
2037-26-5	Surrogate: Toluene-d8	104 %			86-118						
460-00-4	Surrogate: p-Bromofluorobenzene	103 %			81-114						



Analytical Batch Summary

Batch ID: BF50797 **Preparation Method:** Analysis Preparation **Prepared By:** SCA

YORK Sample ID	Client Sample ID	Preparation Date
15F0586-01	MW-1	06/16/15
15F0586-02	MW-2	06/16/15
15F0586-03	MW-3	06/16/15
15F0586-04	Field Blank	06/16/15
BF50797-BLK1	Blank	06/16/15
BF50797-BS1	LCS	06/16/15
BF50797-DUP1	Duplicate	06/16/15
BF50797-MS1	Matrix Spike	06/16/15

Batch ID: BF50815 **Preparation Method:** EPA 7473 water **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
15F0586-01	MW-1	06/17/15
15F0586-02	MW-2	06/17/15
15F0586-03	MW-3	06/17/15
15F0586-04	Field Blank	06/17/15
BF50815-BLK1	Blank	06/17/15
BF50815-SRM1	Reference	06/17/15

Batch ID: BF50887 **Preparation Method:** EPA SW846-3510C Low Level **Prepared By:** KAT

YORK Sample ID	Client Sample ID	Preparation Date
15F0586-02	MW-2	06/18/15
15F0586-02	MW-2	06/18/15
15F0586-03	MW-3	06/18/15
15F0586-03	MW-3	06/18/15
15F0586-04	Field Blank	06/18/15
15F0586-04	Field Blank	06/18/15
BF50887-BLK1	Blank	06/18/15
BF50887-BLK1	Blank	06/18/15
BF50887-BS1	LCS	06/18/15
BF50887-BS2	LCS	06/18/15
BF50887-BSD1	LCS Dup	06/18/15
BF50887-BSD2	LCS Dup	06/18/15

Batch ID: BF50956 **Preparation Method:** EPA 3510C **Prepared By:** KAT

YORK Sample ID	Client Sample ID	Preparation Date
15F0586-01	MW-1	06/19/15
15F0586-02	MW-2	06/19/15
15F0586-03	MW-3	06/19/15
15F0586-04	Field Blank	06/19/15
BF50956-BLK1	Blank	06/19/15
BF50956-BS1	LCS	06/19/15



BF50956-BSD1 LCS Dup 06/19/15

Batch ID: BF50995 **Preparation Method:** EPA 5030B **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
15F0586-01	MW-1	06/19/15
15F0586-02	MW-2	06/19/15
15F0586-03	MW-3	06/19/15
15F0586-04	Field Blank	06/19/15
15F0586-05	Trip Blank	06/19/15
BF50995-BLK1	Blank	06/19/15
BF50995-BS1	LCS	06/19/15
BF50995-BSD1	LCS Dup	06/19/15
BF50995-DUP1	Duplicate	06/19/15
BF50995-MS1	Matrix Spike	06/19/15

Batch ID: BF51011 **Preparation Method:** EPA 3010A **Prepared By:** AMC

YORK Sample ID	Client Sample ID	Preparation Date
15F0586-01	MW-1	06/19/15
15F0586-02	MW-2	06/19/15
15F0586-03	MW-3	06/19/15
15F0586-04	Field Blank	06/19/15
BF51011-BLK1	Blank	06/19/15
BF51011-SRM1	Reference	06/19/15
BF51011-SRM2	Reference	06/19/15

Batch ID: BF51012 **Preparation Method:** EPA 3010A **Prepared By:** AMC

YORK Sample ID	Client Sample ID	Preparation Date
15F0586-01	MW-1	06/19/15
15F0586-02	MW-2	06/19/15
15F0586-03	MW-3	06/19/15
15F0586-04	Field Blank	06/19/15
BF51012-BLK1	Blank	06/19/15
BF51012-SRM1	Reference	06/19/15
BF51012-SRM2	Reference	06/19/15

Batch ID: BF51016 **Preparation Method:** EPA SW846-3510C Low Level **Prepared By:** KAT

YORK Sample ID	Client Sample ID	Preparation Date
15F0586-01	MW-1	06/22/15
15F0586-01	MW-1	06/22/15
BF51016-BLK1	Blank	06/20/15
BF51016-BLK1	Blank	06/20/15
BF51016-BS1	LCS	06/20/15
BF51016-BS2	LCS	06/20/15
BF51016-BSD1	LCS Dup	06/20/15
BF51016-BSD2	LCS Dup	06/20/15



Batch ID: BF51063

Preparation Method: Analysis Preparation

Prepared By: SCA

YORK Sample ID	Client Sample ID	Preparation Date
15F0586-01	MW-1	06/22/15
15F0586-02	MW-2	06/22/15
15F0586-03	MW-3	06/22/15
15F0586-04	Field Blank	06/22/15



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BF50895 - EPA 5030B

Blank (BF50895-BLK1)

Prepared & Analyzed: 06/18/2015

1,1,1,2-Tetrachloroethane	ND	5.0	ug/L								
1,1,1-Trichloroethane	ND	5.0	"								
1,1,2,2-Tetrachloroethane	ND	5.0	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"								
1,1,2-Trichloroethane	ND	5.0	"								
1,1-Dichloroethane	ND	5.0	"								
1,1-Dichloroethylene	ND	5.0	"								
1,1-Dichloropropylene	ND	5.0	"								
1,2,3-Trichlorobenzene	ND	5.0	"								
1,2,3-Trichloropropane	ND	5.0	"								
1,2,4-Trichlorobenzene	ND	5.0	"								
1,2,4-Trimethylbenzene	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	5.0	"								
1,2-Dibromoethane	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3,5-Trimethylbenzene	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
1,3-Dichloropropane	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
2,2-Dichloropropane	ND	5.0	"								
2-Butanone	ND	5.0	"								
2-Chlorotoluene	ND	5.0	"								
4-Chlorotoluene	ND	5.0	"								
Acetone	ND	10	"								
Benzene	ND	5.0	"								
Bromobenzene	ND	5.0	"								
Bromochloromethane	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								
Bromoform	ND	5.0	"								
Bromomethane	ND	5.0	"								
Carbon tetrachloride	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Chloroethane	ND	5.0	"								
Chloroform	ND	5.0	"								
Chloromethane	ND	5.0	"								
cis-1,2-Dichloroethylene	ND	5.0	"								
cis-1,3-Dichloropropylene	ND	5.0	"								
Dibromochloromethane	ND	5.0	"								
Dibromomethane	ND	5.0	"								
Dichlorodifluoromethane	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Hexachlorobutadiene	ND	5.0	"								
Isopropylbenzene	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								
Methylene chloride	ND	10	"								
Naphthalene	ND	10	"								
n-Butylbenzene	ND	5.0	"								
n-Propylbenzene	ND	5.0	"								
o-Xylene	ND	5.0	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BF50895 - EPA 5030B

Blank (BF50895-BLK1)

Prepared & Analyzed: 06/18/2015

p- & m- Xylenes	ND	10	ug/L								
p-Isopropyltoluene	ND	5.0	"								
sec-Butylbenzene	ND	5.0	"								
Styrene	ND	5.0	"								
tert-Butylbenzene	ND	5.0	"								
Tetrachloroethylene	ND	5.0	"								
Toluene	ND	5.0	"								
trans-1,2-Dichloroethylene	ND	5.0	"								
trans-1,3-Dichloropropylene	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Trichlorofluoromethane	ND	5.0	"								
Vinyl acetate	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Xylenes, Total	ND	15	"								
<i>Surrogate: 1,2-Dichloroethane-d4</i>	54.8		"	50.0		110	65-135				
<i>Surrogate: Toluene-d8</i>	46.7		"	50.0		93.5	86-118				
<i>Surrogate: p-Bromofluorobenzene</i>	48.2		"	50.0		96.4	81-114				

Batch BF50995 - EPA 5030B

Blank (BF50995-BLK1)

Prepared & Analyzed: 06/19/2015

1,1,1,2-Tetrachloroethane	ND	5.0	ug/L								
1,1,1-Trichloroethane	ND	5.0	"								
1,1,2,2-Tetrachloroethane	ND	5.0	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"								
1,1,2-Trichloroethane	ND	5.0	"								
1,1-Dichloroethane	ND	5.0	"								
1,1-Dichloroethylene	ND	5.0	"								
1,1-Dichloropropylene	ND	5.0	"								
1,2,3-Trichlorobenzene	ND	5.0	"								
1,2,3-Trichloropropane	ND	5.0	"								
1,2,4-Trichlorobenzene	ND	5.0	"								
1,2,4-Trimethylbenzene	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	5.0	"								
1,2-Dibromoethane	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3,5-Trimethylbenzene	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
1,3-Dichloropropane	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
2,2-Dichloropropane	ND	5.0	"								
2-Butanone	ND	5.0	"								
2-Chlorotoluene	ND	5.0	"								
4-Chlorotoluene	ND	5.0	"								
Acetone	ND	10	"								
Benzene	ND	5.0	"								
Bromobenzene	ND	5.0	"								
Bromochloromethane	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								
Bromoform	ND	5.0	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BF50995 - EPA 5030B

Blank (BF50995-BLK1)

Prepared & Analyzed: 06/19/2015

Bromomethane	ND	5.0	ug/L								
Carbon tetrachloride	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Chloroethane	ND	5.0	"								
Chloroform	ND	5.0	"								
Chloromethane	ND	5.0	"								
cis-1,2-Dichloroethylene	ND	5.0	"								
cis-1,3-Dichloropropylene	ND	5.0	"								
Dibromochloromethane	ND	5.0	"								
Dibromomethane	ND	5.0	"								
Dichlorodifluoromethane	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Hexachlorobutadiene	ND	5.0	"								
Isopropylbenzene	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								
Methylene chloride	ND	10	"								
Naphthalene	ND	10	"								
n-Butylbenzene	ND	5.0	"								
n-Propylbenzene	ND	5.0	"								
o-Xylene	ND	5.0	"								
p- & m- Xylenes	ND	10	"								
p-Isopropyltoluene	ND	5.0	"								
sec-Butylbenzene	ND	5.0	"								
Styrene	ND	5.0	"								
tert-Butylbenzene	ND	5.0	"								
Tetrachloroethylene	ND	5.0	"								
Toluene	ND	5.0	"								
trans-1,2-Dichloroethylene	ND	5.0	"								
trans-1,3-Dichloropropylene	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Trichlorofluoromethane	ND	5.0	"								
Vinyl acetate	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Xylenes, Total	ND	15	"								
<hr/>											
Surrogate: 1,2-Dichloroethane-d4	46.1		"	50.0		92.3		65-135			
Surrogate: Toluene-d8	53.2		"	50.0		106		86-118			
Surrogate: p-Bromofluorobenzene	52.1		"	50.0		104		81-114			



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BF50995 - EPA 5030B

LCS (BF50995-BS1)

Prepared & Analyzed: 06/19/2015

1,1,1,2-Tetrachloroethane	55.5		ug/L	50.0		111	70-132			
1,1,1-Trichloroethane	49.4		"	50.0		98.7	68-138			
1,1,2,2-Tetrachloroethane	54.2		"	50.0		108	73-132			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	50.4		"	50.0		101	67-136			
1,1,2-Trichloroethane	52.9		"	50.0		106	79-125			
1,1-Dichloroethane	50.0		"	50.0		99.9	78-128			
1,1-Dichloroethylene	48.4		"	50.0		96.9	68-134			
1,1-Dichloropropylene	48.4		"	50.0		96.7	74-130			
1,2,3-Trichlorobenzene	62.5		"	50.0		125	77-140			
1,2,3-Trichloropropane	53.0		"	50.0		106	79-127			
1,2,4-Trichlorobenzene	59.6		"	50.0		119	75-141			
1,2,4-Trimethylbenzene	53.8		"	50.0		108	78-127			
1,2-Dibromo-3-chloropropane	53.9		"	50.0		108	60-150			
1,2-Dibromoethane	54.5		"	50.0		109	86-123			
1,2-Dichlorobenzene	55.8		"	50.0		112	79-125			
1,2-Dichloroethane	47.9		"	50.0		95.8	69-133			
1,2-Dichloropropane	53.6		"	50.0		107	76-124			
1,3,5-Trimethylbenzene	53.0		"	50.0		106	78-128			
1,3-Dichlorobenzene	54.3		"	50.0		109	81-124			
1,3-Dichloropropane	53.9		"	50.0		108	79-125			
1,4-Dichlorobenzene	55.2		"	50.0		110	82-124			
2,2-Dichloropropane	48.0		"	50.0		95.9	61-139			
2-Butanone	46.5		"	50.0		93.0	44-169			
2-Chlorotoluene	52.8		"	50.0		106	74-130			
4-Chlorotoluene	53.3		"	50.0		107	75-127			
Acetone	42.9		"	50.0		85.9	29-163			
Benzene	50.5		"	50.0		101	72-134			
Bromobenzene	52.2		"	50.0		104	74-129			
Bromochloromethane	52.3		"	50.0		105	69-134			
Bromodichloromethane	53.2		"	50.0		106	76-127			
Bromoform	55.7		"	50.0		111	77-137			
Bromomethane	44.7		"	50.0		89.4	50-156			
Carbon tetrachloride	49.8		"	50.0		99.6	62-145			
Chlorobenzene	54.7		"	50.0		109	85-119			
Chloroethane	47.5		"	50.0		95.0	49-143			
Chloroform	50.2		"	50.0		100	74-131			
Chloromethane	47.5		"	50.0		95.0	43-134			
cis-1,2-Dichloroethylene	51.0		"	50.0		102	73-134			
cis-1,3-Dichloropropylene	52.3		"	50.0		105	77-128			
Dibromochloromethane	55.6		"	50.0		111	79-130			
Dibromomethane	52.2		"	50.0		104	78-128			
Dichlorodifluoromethane	42.9		"	50.0		85.8	38-139			
Ethyl Benzene	53.2		"	50.0		106	80-129			
Hexachlorobutadiene	51.6		"	50.0		103	72-141			
Isopropylbenzene	54.4		"	50.0		109	76-128			
Methyl tert-butyl ether (MTBE)	50.2		"	50.0		100	64-142			
Methylene chloride	50.1		"	50.0		100	56-142			
Naphthalene	59.5		"	50.0		119	79-144			
n-Butylbenzene	53.6		"	50.0		107	74-132			
n-Propylbenzene	53.6		"	50.0		107	72-135			
o-Xylene	53.5		"	50.0		107	81-123			



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BF50995 - EPA 5030B

LCS (BF50995-BS1)

Prepared & Analyzed: 06/19/2015

p- & m- Xylenes	107		ug/L	100		107	79-130				
p-Isopropyltoluene	54.1		"	50.0		108	80-127				
sec-Butylbenzene	53.8		"	50.0		108	78-127				
Styrene	55.4		"	50.0		111	82-124				
tert-Butylbenzene	55.0		"	50.0		110	75-131				
Tetrachloroethylene	55.5		"	50.0		111	78-133				
Toluene	53.5		"	50.0		107	83-122				
trans-1,2-Dichloroethylene	48.5		"	50.0		96.9	59-145				
trans-1,3-Dichloropropylene	52.4		"	50.0		105	74-131				
Trichloroethylene	51.3		"	50.0		103	81-125				
Trichlorofluoromethane	46.8		"	50.0		93.5	61-144				
Vinyl acetate	51.0		"	50.0		102	32-165				
Vinyl Chloride	47.9		"	50.0		95.7	42-136				
Surrogate: 1,2-Dichloroethane-d4	48.7		"	50.0		97.3	65-135				
Surrogate: Toluene-d8	52.0		"	50.0		104	86-118				
Surrogate: p-Bromofluorobenzene	49.6		"	50.0		99.3	81-114				

LCS Dup (BF50995-BSD1)

Prepared & Analyzed: 06/19/2015

1,1,1,2-Tetrachloroethane	55.6		ug/L	50.0		111	70-132		0.180	30	
1,1,1-Trichloroethane	50.9		"	50.0		102	68-138		3.05	30	
1,1,2,2-Tetrachloroethane	53.4		"	50.0		107	73-132		1.47	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	51.8		"	50.0		104	67-136		2.56	30	
1,1,2-Trichloroethane	51.9		"	50.0		104	79-125		1.81	30	
1,1-Dichloroethane	50.6		"	50.0		101	78-128		1.35	30	
1,1-Dichloroethylene	50.4		"	50.0		101	68-134		4.02	30	
1,1-Dichloropropylene	49.9		"	50.0		99.9	74-130		3.22	30	
1,2,3-Trichlorobenzene	62.2		"	50.0		124	77-140		0.514	30	
1,2,3-Trichloropropane	53.6		"	50.0		107	79-127		1.11	30	
1,2,4-Trichlorobenzene	58.5		"	50.0		117	75-141		1.85	30	
1,2,4-Trimethylbenzene	54.9		"	50.0		110	78-127		2.01	30	
1,2-Dibromo-3-chloropropane	50.9		"	50.0		102	60-150		5.73	30	
1,2-Dibromoethane	54.2		"	50.0		108	86-123		0.681	30	
1,2-Dichlorobenzene	56.9		"	50.0		114	79-125		1.90	30	
1,2-Dichloroethane	49.1		"	50.0		98.3	69-133		2.49	30	
1,2-Dichloropropane	53.9		"	50.0		108	76-124		0.502	30	
1,3,5-Trimethylbenzene	55.1		"	50.0		110	78-128		3.92	30	
1,3-Dichlorobenzene	55.4		"	50.0		111	81-124		1.93	30	
1,3-Dichloropropane	53.9		"	50.0		108	79-125		0.0186	30	
1,4-Dichlorobenzene	56.3		"	50.0		113	82-124		2.01	30	
2,2-Dichloropropane	47.2		"	50.0		94.5	61-139		1.53	30	
2-Butanone	45.9		"	50.0		91.9	44-169		1.23	30	
2-Chlorotoluene	54.8		"	50.0		110	74-130		3.66	30	
4-Chlorotoluene	53.6		"	50.0		107	75-127		0.468	30	
Acetone	40.9		"	50.0		81.9	29-163		4.79	30	
Benzene	51.7		"	50.0		103	72-134		2.25	30	
Bromobenzene	53.7		"	50.0		107	74-129		2.85	30	
Bromochloromethane	53.3		"	50.0		107	69-134		1.74	30	
Bromodichloromethane	53.5		"	50.0		107	76-127		0.656	30	
Bromoform	56.8		"	50.0		114	77-137		1.87	30	
Bromomethane	46.6		"	50.0		93.2	50-156		4.12	30	
Carbon tetrachloride	51.0		"	50.0		102	62-145		2.30	30	
Chlorobenzene	54.7		"	50.0		109	85-119		0.0732	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BF50995 - EPA 5030B

LCS Dup (BF50995-BSD1)

Prepared & Analyzed: 06/19/2015

Chloroethane	48.8		ug/L	50.0	97.6	49-143		2.74	30
Chloroform	50.9		"	50.0	102	74-131		1.37	30
Chloromethane	48.8		"	50.0	97.6	43-134		2.72	30
cis-1,2-Dichloroethylene	51.2		"	50.0	102	73-134		0.587	30
cis-1,3-Dichloropropylene	52.6		"	50.0	105	77-128		0.553	30
Dibromochloromethane	55.2		"	50.0	110	79-130		0.578	30
Dibromomethane	52.6		"	50.0	105	78-128		0.840	30
Dichlorodifluoromethane	46.7		"	50.0	93.4	38-139		8.48	30
Ethyl Benzene	53.6		"	50.0	107	80-129		0.655	30
Hexachlorobutadiene	54.4		"	50.0	109	72-141		5.39	30
Isopropylbenzene	55.4		"	50.0	111	76-128		1.99	30
Methyl tert-butyl ether (MTBE)	49.8		"	50.0	99.6	64-142		0.900	30
Methylene chloride	50.8		"	50.0	102	56-142		1.37	30
Naphthalene	58.7		"	50.0	117	79-144		1.29	30
n-Butylbenzene	54.6		"	50.0	109	74-132		1.85	30
n-Propylbenzene	54.7		"	50.0	109	72-135		2.12	30
o-Xylene	54.0		"	50.0	108	81-123		0.948	30
p- & m- Xylenes	108		"	100	108	79-130		1.03	30
p-Isopropyltoluene	55.1		"	50.0	110	80-127		1.74	30
sec-Butylbenzene	56.0		"	50.0	112	78-127		3.88	30
Styrene	55.6		"	50.0	111	82-124		0.433	30
tert-Butylbenzene	56.5		"	50.0	113	75-131		2.74	30
Tetrachloroethylene	55.4		"	50.0	111	78-133		0.234	30
Toluene	53.8		"	50.0	108	83-122		0.596	30
trans-1,2-Dichloroethylene	49.2		"	50.0	98.3	59-145		1.45	30
trans-1,3-Dichloropropylene	51.2		"	50.0	102	74-131		2.43	30
Trichloroethylene	53.2		"	50.0	106	81-125		3.62	30
Trichlorofluoromethane	48.8		"	50.0	97.6	61-144		4.23	30
Vinyl acetate	51.8		"	50.0	104	32-165		1.38	30
Vinyl Chloride	49.9		"	50.0	99.7	42-136		4.09	30
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>48.6</i>		<i>"</i>	<i>50.0</i>	<i>97.3</i>	<i>65-135</i>			
<i>Surrogate: Toluene-d8</i>	<i>51.1</i>		<i>"</i>	<i>50.0</i>	<i>102</i>	<i>86-118</i>			
<i>Surrogate: p-Bromofluorobenzene</i>	<i>51.0</i>		<i>"</i>	<i>50.0</i>	<i>102</i>	<i>81-114</i>			



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BF50995 - EPA 5030B

Duplicate (BF50995-DUP1)	*Source sample: 15F0586-02 (MW-2)				Prepared: 06/19/2015 Analyzed: 06/20/2015						
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L		ND						200
1,1,1-Trichloroethane	ND	5.0	"		ND						200
1,1,2,2-Tetrachloroethane	ND	5.0	"		ND						200
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"		ND						200
1,1,2-Trichloroethane	ND	5.0	"		ND						200
1,1-Dichloroethane	ND	5.0	"		ND						200
1,1-Dichloroethylene	ND	5.0	"		ND						200
1,1-Dichloropropylene	ND	5.0	"		ND						200
1,2,3-Trichlorobenzene	ND	5.0	"		ND						200
1,2,3-Trichloropropane	ND	5.0	"		ND						200
1,2,4-Trichlorobenzene	ND	5.0	"		ND						200
1,2,4-Trimethylbenzene	ND	5.0	"		ND						200
1,2-Dibromo-3-chloropropane	ND	5.0	"		ND						200
1,2-Dibromoethane	ND	5.0	"		ND						200
1,2-Dichlorobenzene	ND	5.0	"		ND						200
1,2-Dichloroethane	ND	5.0	"		ND						200
1,2-Dichloropropane	ND	5.0	"		ND						200
1,3,5-Trimethylbenzene	ND	5.0	"		ND						200
1,3-Dichlorobenzene	ND	5.0	"		ND						200
1,3-Dichloropropane	ND	5.0	"		ND						200
1,4-Dichlorobenzene	ND	5.0	"		ND						200
2,2-Dichloropropane	ND	5.0	"		ND						200
2-Butanone	ND	5.0	"		ND						200
2-Chlorotoluene	ND	5.0	"		ND						200
4-Chlorotoluene	ND	5.0	"		ND						200
Acetone	9.6	10	"		ND						200
Benzene	ND	5.0	"		ND						200
Bromobenzene	ND	5.0	"		ND						200
Bromochloromethane	ND	5.0	"		ND						200
Bromodichloromethane	ND	5.0	"		ND						200
Bromoform	ND	5.0	"		ND						200
Bromomethane	ND	5.0	"		ND						200
Carbon tetrachloride	ND	5.0	"		ND						200
Chlorobenzene	ND	5.0	"		ND						200
Chloroethane	ND	5.0	"		ND						200
Chloroform	ND	5.0	"		ND						200
Chloromethane	ND	5.0	"		ND						200
cis-1,2-Dichloroethylene	ND	5.0	"		ND						200
cis-1,3-Dichloropropylene	ND	5.0	"		ND						200
Dibromochloromethane	ND	5.0	"		ND						200
Dibromomethane	ND	5.0	"		ND						200
Dichlorodifluoromethane	ND	5.0	"		ND						200
Ethyl Benzene	ND	5.0	"		ND						200
Hexachlorobutadiene	ND	5.0	"		ND						200
Isopropylbenzene	ND	5.0	"		ND						200
Methyl tert-butyl ether (MTBE)	ND	5.0	"		ND						200
Methylene chloride	ND	10	"		ND						200
Naphthalene	ND	10	"		ND						200
n-Butylbenzene	ND	5.0	"		ND						200
n-Propylbenzene	ND	5.0	"		ND						200
o-Xylene	ND	5.0	"		ND						200



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BF50995 - EPA 5030B

Duplicate (BF50995-DUP1)

*Source sample: 15F0586-02 (MW-2)

Prepared: 06/19/2015 Analyzed: 06/20/2015

p- & m- Xylenes	ND	10	ug/L		ND					200	
p-Isopropyltoluene	3.4	5.0	"		3.0				11.6	200	
sec-Butylbenzene	ND	5.0	"		ND					200	
Styrene	ND	5.0	"		ND					200	
tert-Butylbenzene	ND	5.0	"		ND					200	
Tetrachloroethylene	ND	5.0	"		ND					200	
Toluene	ND	5.0	"		ND					200	
trans-1,2-Dichloroethylene	ND	5.0	"		ND					200	
trans-1,3-Dichloropropylene	ND	5.0	"		ND					200	
Trichloroethylene	ND	5.0	"		ND					200	
Trichlorofluoromethane	ND	5.0	"		ND					200	
Vinyl acetate	ND	5.0	"		ND					200	
Vinyl Chloride	ND	5.0	"		ND					200	
Xylenes, Total	ND	15	"		ND					200	
Surrogate: 1,2-Dichloroethane-d4	49.1		"	50.0		98.2	65-135				
Surrogate: Toluene-d8	52.2		"	50.0		104	86-118				
Surrogate: p-Bromofluorobenzene	50.1		"	50.0		100	81-114				

Matrix Spike (BF50995-MS1)

*Source sample: 15F0586-02 (MW-2)

Prepared: 06/19/2015 Analyzed: 06/20/2015

1,1,1,2-Tetrachloroethane	52.1		ug/L	50.0	ND	104	52-142				
1,1,1-Trichloroethane	47.3		"	50.0	ND	94.7	52-147				
1,1,2,2-Tetrachloroethane	51.2		"	50.0	ND	102	65-131				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	48.6		"	50.0	ND	97.1	42-160				
1,1,2-Trichloroethane	50.8		"	50.0	ND	102	72-126				
1,1-Dichloroethane	48.7		"	50.0	ND	97.3	64-135				
1,1-Dichloroethylene	45.2		"	50.0	ND	90.4	47-150				
1,1-Dichloropropylene	45.8		"	50.0	ND	91.7	68-123				
1,2,3-Trichlorobenzene	56.0		"	50.0	ND	112	53-148				
1,2,3-Trichloropropane	50.6		"	50.0	ND	101	68-129				
1,2,4-Trichlorobenzene	51.6		"	50.0	ND	103	51-148				
1,2,4-Trimethylbenzene	50.8		"	50.0	ND	102	62-130				
1,2-Dibromo-3-chloropropane	50.5		"	50.0	ND	101	48-155				
1,2-Dibromoethane	51.4		"	50.0	ND	103	76-124				
1,2-Dichlorobenzene	53.5		"	50.0	ND	107	70-125				
1,2-Dichloroethane	47.4		"	50.0	ND	94.8	57-139				
1,2-Dichloropropane	51.1		"	50.0	ND	102	65-128				
1,3,5-Trimethylbenzene	49.6		"	50.0	ND	99.2	53-138				
1,3-Dichlorobenzene	49.1		"	50.0	ND	98.1	71-122				
1,3-Dichloropropane	51.6		"	50.0	ND	103	66-128				
1,4-Dichlorobenzene	49.0		"	50.0	ND	98.1	69-125				
2,2-Dichloropropane	41.6		"	50.0	ND	83.2	42-138				
2-Butanone	45.7		"	50.0	ND	91.4	42-153				
2-Chlorotoluene	49.0		"	50.0	ND	98.0	63-131				
4-Chlorotoluene	47.8		"	50.0	ND	95.7	63-130				
Acetone	44.6		"	50.0	ND	89.3	15-135				
Benzene	48.4		"	50.0	ND	96.8	55-139				
Bromobenzene	49.0		"	50.0	ND	98.0	63-130				
Bromochloromethane	50.5		"	50.0	ND	101	59-133				
Bromodichloromethane	50.7		"	50.0	ND	101	66-131				
Bromoform	52.1		"	50.0	ND	104	68-136				
Bromomethane	44.4		"	50.0	ND	88.8	23-151				
Carbon tetrachloride	46.8		"	50.0	ND	93.7	51-147				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BF50995 - EPA 5030B

Matrix Spike (BF50995-MS1)	*Source sample: 15F0586-02 (MW-2)				Prepared: 06/19/2015 Analyzed: 06/20/2015					
Chlorobenzene	50.0		ug/L	50.0	ND	99.9	75-120			
Chloroethane	45.1		"	50.0	ND	90.2	33-153			
Chloroform	47.6		"	50.0	ND	95.2	60-137			
Chloromethane	44.5		"	50.0	ND	89.0	20-140			
cis-1,2-Dichloroethylene	48.3		"	50.0	ND	96.7	59-136			
cis-1,3-Dichloropropylene	48.4		"	50.0	ND	96.7	66-128			
Dibromochloromethane	52.5		"	50.0	ND	105	68-134			
Dibromomethane	48.6		"	50.0	ND	97.2	71-128			
Dichlorodifluoromethane	38.1		"	50.0	ND	76.2	18-127			
Ethyl Benzene	50.1		"	50.0	ND	100	55-146			
Hexachlorobutadiene	48.9		"	50.0	ND	97.9	48-150			
Isopropylbenzene	50.6		"	50.0	ND	101	68-126			
Methyl tert-butyl ether (MTBE)	48.6		"	50.0	ND	97.1	54-148			
Methylene chloride	48.2		"	50.0	ND	96.4	34-154			
Naphthalene	56.9		"	50.0	ND	114	57-143			
n-Butylbenzene	49.3		"	50.0	ND	98.6	61-133			
n-Propylbenzene	49.3		"	50.0	ND	98.7	60-135			
o-Xylene	50.7		"	50.0	ND	101	67-129			
p- & m- Xylenes	101		"	100	ND	101	51-152			
p-Isopropyltoluene	52.2		"	50.0	3.00	98.4	66-129			
sec-Butylbenzene	50.6		"	50.0	ND	101	66-127			
Styrene	50.8		"	50.0	ND	102	72-126			
tert-Butylbenzene	51.4		"	50.0	ND	103	65-132			
Tetrachloroethylene	48.1		"	50.0	ND	96.2	51-140			
Toluene	50.6		"	50.0	ND	101	53-142			
trans-1,2-Dichloroethylene	46.2		"	50.0	ND	92.4	49-151			
trans-1,3-Dichloropropylene	48.0		"	50.0	ND	96.0	63-129			
Trichloroethylene	48.1		"	50.0	ND	96.1	61-133			
Trichlorofluoromethane	43.4		"	50.0	ND	86.8	47-147			
Vinyl acetate	44.2		"	50.0	ND	88.4	16-146			
Vinyl Chloride	44.2		"	50.0	ND	88.4	25-140			
Surrogate: 1,2-Dichloroethane-d4	49.0		"	50.0		97.9	65-135			
Surrogate: Toluene-d8	50.9		"	50.0		102	86-118			
Surrogate: p-Bromofluorobenzene	50.7		"	50.0		101	81-114			



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BF50956 - EPA 3510C

Blank (BF50956-BLK1)

Prepared & Analyzed: 06/19/2015

Acenaphthene	ND	0.0500	ug/L								
Acenaphthylene	ND	0.0500	"								
Aniline	ND	5.00	"								
Anthracene	ND	0.0500	"								
Benzo(a)anthracene	ND	0.0500	"								
Benzo(a)pyrene	ND	0.0500	"								
Benzo(b)fluoranthene	ND	0.0500	"								
Benzo(g,h,i)perylene	ND	0.0500	"								
Benzo(k)fluoranthene	ND	0.0500	"								
Benzyl alcohol	ND	5.00	"								
Benzyl butyl phthalate	ND	5.00	"								
4-Bromophenyl phenyl ether	ND	5.00	"								
4-Chloro-3-methylphenol	ND	5.00	"								
4-Chloroaniline	ND	5.00	"								
Bis(2-chloroethoxy)methane	ND	5.00	"								
Bis(2-chloroethyl)ether	ND	5.00	"								
Bis(2-chloroisopropyl)ether	ND	5.00	"								
2-Chloronaphthalene	ND	5.00	"								
2-Chlorophenol	ND	5.00	"								
4-Chlorophenyl phenyl ether	ND	5.00	"								
Chrysene	ND	0.0500	"								
Dibenzo(a,h)anthracene	ND	0.0500	"								
Dibenzofuran	ND	5.00	"								
Di-n-butyl phthalate	ND	5.00	"								
1,4-Dichlorobenzene	ND	5.00	"								
1,3-Dichlorobenzene	ND	5.00	"								
1,2-Dichlorobenzene	ND	5.00	"								
3,3'-Dichlorobenzidine	ND	5.00	"								
2,4-Dichlorophenol	ND	5.00	"								
Diethyl phthalate	ND	5.00	"								
2,4-Dimethylphenol	ND	5.00	"								
Dimethyl phthalate	ND	5.00	"								
4,6-Dinitro-2-methylphenol	ND	5.00	"								
2,4-Dinitrophenol	ND	5.00	"								
2,4-Dinitrotoluene	ND	5.00	"								
2,6-Dinitrotoluene	ND	5.00	"								
Di-n-octyl phthalate	ND	5.00	"								
Bis(2-ethylhexyl)phthalate	ND	0.500	"								
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	"								
2-Methylnaphthalene	ND	5.00	"								
2-Methylphenol	ND	5.00	"								
3- & 4-Methylphenols	ND	5.00	"								
Naphthalene	ND	0.0500	"								
4-Nitroaniline	ND	5.00	"								



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BF50956 - EPA 3510C

Blank (BF50956-BLK1)

Prepared & Analyzed: 06/19/2015

3-Nitroaniline	ND	5.00	ug/L								
2-Nitroaniline	ND	5.00	"								
Nitrobenzene	ND	0.250	"								
4-Nitrophenol	ND	5.00	"								
2-Nitrophenol	ND	5.00	"								
N-nitroso-di-n-propylamine	ND	5.00	"								
N-Nitrosodimethylamine	ND	0.500	"								
N-Nitrosodiphenylamine	ND	5.00	"								
Pentachlorophenol	ND	0.250	"								
Phenanthrene	ND	0.0500	"								
Phenol	ND	5.00	"								
Pyrene	ND	0.0500	"								
Pyridine	ND	5.00	"								
1,2,4-Trichlorobenzene	ND	5.00	"								
2,4,5-Trichlorophenol	ND	5.00	"								
2,4,6-Trichlorophenol	ND	5.00	"								
Surrogate: 2-Fluorophenol	18.7		"	75.2		24.8	10-65				
Surrogate: Phenol-d5	11.7		"	75.2		15.6	10-49				
Surrogate: Nitrobenzene-d5	29.2		"	50.0		58.4	10-96				
Surrogate: 2-Fluorobiphenyl	24.3		"	50.2		48.3	10-93				
Surrogate: 2,4,6-Tribromophenol	42.7		"	75.2		56.8	10-128				
Surrogate: Terphenyl-d14	30.4		"	50.2		60.6	10-100				

LCS (BF50956-BS1)

Prepared & Analyzed: 06/19/2015

Acenaphthene	26.1	0.0500	ug/L	50.0		52.2	24-114				
Acenaphthylene	24.7	0.0500	"	50.0		49.5	26-112				
Aniline	27.5	5.00	"	50.0		55.0	10-107				
Anthracene	25.8	0.0500	"	50.0		51.6	35-114				
Benzo(a)anthracene	27.8	0.0500	"	50.0		55.6	38-127				
Benzo(a)pyrene	40.2	0.0500	"	50.0		80.3	30-146				
Benzo(b)fluoranthene	35.1	0.0500	"	50.0		70.2	36-145				
Benzo(g,h,i)perylene	52.9	0.0500	"	50.0		106	10-163				
Benzo(k)fluoranthene	32.4	0.0500	"	50.0		64.8	16-149				
Benzyl alcohol	21.1	5.00	"	50.0		42.2	18-75				
Benzyl butyl phthalate	29.8	5.00	"	50.0		59.6	28-129				
4-Bromophenyl phenyl ether	27.3	5.00	"	50.0		54.6	38-116				
4-Chloro-3-methylphenol	32.5	5.00	"	50.0		64.9	28-101				
4-Chloroaniline	34.6	5.00	"	50.0		69.2	10-154				
Bis(2-chloroethoxy)methane	26.8	5.00	"	50.0		53.6	27-112				
Bis(2-chloroethyl)ether	25.8	5.00	"	50.0		51.6	24-114				
Bis(2-chloroisopropyl)ether	29.2	5.00	"	50.0		58.3	21-124				
2-Chloronaphthalene	23.6	5.00	"	50.0		47.1	40-96				
2-Chlorophenol	21.6	5.00	"	50.0		43.3	35-84				
4-Chlorophenyl phenyl ether	26.8	5.00	"	50.0		53.7	34-112				
Chrysene	28.4	0.0500	"	50.0		56.8	33-120				
Dibenzo(a,h)anthracene	46.3	0.0500	"	50.0		92.6	10-149				
Dibenzofuran	27.4	5.00	"	50.0		54.8	42-105				
Di-n-butyl phthalate	27.5	5.00	"	50.0		55.0	36-110				
1,4-Dichlorobenzene	19.5	5.00	"	50.0		38.9	42-82			Low Bias	
1,3-Dichlorobenzene	21.4	5.00	"	50.0		42.8	45-80			Low Bias	
1,2-Dichlorobenzene	21.8	5.00	"	50.0		43.6	42-85				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	Flag
		Limit			Result					RPD	
Batch BF50956 - EPA 3510C											
LCS (BF50956-BS1)											
Prepared & Analyzed: 06/19/2015											
3,3'-Dichlorobenzidine	37.7	5.00	ug/L	50.0		75.5		25-155			
2,4-Dichlorophenol	25.2	5.00	"	50.0		50.5		43-92			
Diethyl phthalate	30.5	5.00	"	50.0		61.0		38-112			
2,4-Dimethylphenol	25.3	5.00	"	50.0		50.6		25-92			
Dimethyl phthalate	31.4	5.00	"	50.0		62.8		49-106			
4,6-Dinitro-2-methylphenol	33.5	5.00	"	50.0		67.0		10-135			
2,4-Dinitrophenol	21.3	5.00	"	50.0		42.7		10-149			
2,4-Dinitrotoluene	36.3	5.00	"	50.0		72.6		41-114			
2,6-Dinitrotoluene	32.2	5.00	"	50.0		64.3		49-106			
Di-n-octyl phthalate	31.9	5.00	"	50.0		63.8		12-149			
Bis(2-ethylhexyl)phthalate	25.0	0.500	"	50.0		49.9		10-171			
Fluoranthene	28.6	0.0500	"	50.0		57.2		33-126			
Fluorene	26.6	0.0500	"	50.0		53.2		28-117			
Hexachlorobenzene	27.5	0.0200	"	50.0		55.1		27-120			
Hexachlorobutadiene	21.5	0.500	"	50.0		42.9		25-106			
Hexachlorocyclopentadiene	26.0	5.00	"	50.0		51.9		10-99			
Hexachloroethane	20.6	0.500	"	50.0		41.2		33-84			
Indeno(1,2,3-cd)pyrene	45.0	0.0500	"	50.0		90.1		10-150			
Isophorone	27.3	5.00	"	50.0		54.6		29-115			
2-Methylnaphthalene	24.5	5.00	"	50.0		49.0		33-101			
2-Methylphenol	17.4	5.00	"	50.0		34.9		10-90			
3- & 4-Methylphenols	14.3	5.00	"	50.0		28.6		10-101			
Naphthalene	22.7	0.0500	"	50.0		45.4		30-99			
4-Nitroaniline	37.1	5.00	"	50.0		74.2		15-143			
3-Nitroaniline	32.3	5.00	"	50.0		64.6		29-128			
2-Nitroaniline	35.2	5.00	"	50.0		70.4		31-122			
Nitrobenzene	25.4	0.250	"	50.0		50.9		32-113			
4-Nitrophenol	13.8	5.00	"	50.0		27.7		10-112			
2-Nitrophenol	25.7	5.00	"	50.0		51.4		37-97			
N-nitroso-di-n-propylamine	25.4	5.00	"	50.0		50.7		36-118			
N-Nitrosodimethylamine	15.0	0.500	"	50.0		29.9		10-63			
N-Nitrosodiphenylamine	31.5	5.00	"	50.0		63.0		27-145			
Pentachlorophenol	34.6	0.250	"	50.0		69.2		19-127			
Phenanthrene	28.3	0.0500	"	50.0		56.7		31-112			
Phenol	7.84	5.00	"	50.0		15.7		10-37			
Pyrene	30.1	0.0500	"	50.0		60.2		42-125			
Pyridine	12.1	5.00	"	50.0		24.2		10-46			
1,2,4-Trichlorobenzene	21.9	5.00	"	50.0		43.7		35-91			
2,4,5-Trichlorophenol	29.1	5.00	"	50.0		58.3		36-112			
2,4,6-Trichlorophenol	27.9	5.00	"	50.0		55.8		41-107			
Surrogate: 2-Fluorophenol	22.2		"	75.2		29.5		10-65			
Surrogate: Phenol-d5	13.1		"	75.2		17.4		10-49			
Surrogate: Nitrobenzene-d5	30.0		"	50.0		60.1		10-96			
Surrogate: 2-Fluorobiphenyl	25.1		"	50.2		49.9		10-93			
Surrogate: 2,4,6-Tribromophenol	47.6		"	75.2		63.4		10-128			
Surrogate: Terphenyl-d14	35.9		"	50.2		71.5		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 BF50956 - EPA 3510C											
LCS Dup (BF50956-BSD1)											
Prepared & Analyzed: 06/19/2015											
Acenaphthene	30.9	0.0500	ug/L	50.0		61.8	24-114		16.9	20	
Acenaphthylene	29.2	0.0500	"	50.0		58.3	26-112		16.4	20	
Aniline	30.2	5.00	"	50.0		60.3	10-107		9.30	20	
Anthracene	30.9	0.0500	"	50.0		61.8	35-114		18.0	20	
Benzo(a)anthracene	32.0	0.0500	"	50.0		64.1	38-127		14.1	20	
Benzo(a)pyrene	49.2	0.0500	"	50.0		98.4	30-146		20.2	20	Non-dir.
Benzo(b)fluoranthene	42.7	0.0500	"	50.0		85.5	36-145		19.6	20	
Benzo(g,h,i)perylene	64.2	0.0500	"	50.0		128	10-163		19.2	20	
Benzo(k)fluoranthene	38.3	0.0500	"	50.0		76.6	16-149		16.7	20	
Benzyl alcohol	25.3	5.00	"	50.0		50.7	18-75		18.4	20	
Benzyl butyl phthalate	35.4	5.00	"	50.0		70.7	28-129		17.1	20	
4-Bromophenyl phenyl ether	32.3	5.00	"	50.0		64.7	38-116		16.8	20	
4-Chloro-3-methylphenol	39.6	5.00	"	50.0		79.2	28-101		19.8	20	
4-Chloroaniline	39.3	5.00	"	50.0		78.6	10-154		12.8	20	
Bis(2-chloroethoxy)methane	31.3	5.00	"	50.0		62.7	27-112		15.6	20	
Bis(2-chloroethyl)ether	28.7	5.00	"	50.0		57.4	24-114		10.6	20	
Bis(2-chloroisopropyl)ether	31.6	5.00	"	50.0		63.2	21-124		7.93	20	
2-Chloronaphthalene	27.9	5.00	"	50.0		55.8	40-96		16.9	20	
2-Chlorophenol	24.4	5.00	"	50.0		48.9	35-84		12.2	20	
4-Chlorophenyl phenyl ether	30.6	5.00	"	50.0		61.2	34-112		13.1	20	
Chrysene	33.4	0.0500	"	50.0		66.7	33-120		16.1	20	
Dibenzo(a,h)anthracene	53.5	0.0500	"	50.0		107	10-149		14.4	20	
Dibenzofuran	32.6	5.00	"	50.0		65.2	42-105		17.4	20	
Di-n-butyl phthalate	30.2	5.00	"	50.0		60.4	36-110		9.36	20	
1,4-Dichlorobenzene	20.3	5.00	"	50.0		40.5	42-82	Low Bias	3.98	20	
1,3-Dichlorobenzene	22.8	5.00	"	50.0		45.5	45-80		6.07	20	
1,2-Dichlorobenzene	23.1	5.00	"	50.0		46.1	42-85		5.57	20	
3,3'-Dichlorobenzidine	42.7	5.00	"	50.0		85.5	25-155		12.4	20	
2,4-Dichlorophenol	31.1	5.00	"	50.0		62.2	43-92		20.8	20	Non-dir.
Diethyl phthalate	34.3	5.00	"	50.0		68.5	38-112		11.5	20	
2,4-Dimethylphenol	31.0	5.00	"	50.0		61.9	25-92		20.2	20	Non-dir.
Dimethyl phthalate	37.0	5.00	"	50.0		74.0	49-106		16.4	20	
4,6-Dinitro-2-methylphenol	39.7	5.00	"	50.0		79.3	10-135		16.9	20	
2,4-Dinitrophenol	24.7	5.00	"	50.0		49.4	10-149		14.7	20	
2,4-Dinitrotoluene	43.3	5.00	"	50.0		86.5	41-114		17.5	20	
2,6-Dinitrotoluene	38.6	5.00	"	50.0		77.1	49-106		18.1	20	
Di-n-octyl phthalate	37.5	5.00	"	50.0		75.1	12-149		16.3	20	
Bis(2-ethylhexyl)phthalate	26.8	0.500	"	50.0		53.7	10-171		7.26	20	
Fluoranthene	32.4	0.0500	"	50.0		64.8	33-126		12.4	20	
Fluorene	30.5	0.0500	"	50.0		61.0	28-117		13.8	20	
Hexachlorobenzene	31.8	0.0200	"	50.0		63.7	27-120		14.5	20	
Hexachlorobutadiene	22.8	0.500	"	50.0		45.6	25-106		6.01	20	
Hexachlorocyclopentadiene	32.8	5.00	"	50.0		65.7	10-99		23.3	20	Non-dir.
Hexachloroethane	21.0	0.500	"	50.0		42.0	33-84		1.97	20	
Indeno(1,2,3-cd)pyrene	51.2	0.0500	"	50.0		102	10-150		12.8	20	
Isophorone	32.9	5.00	"	50.0		65.8	29-115		18.6	20	
2-Methylnaphthalene	28.3	5.00	"	50.0		56.7	33-101		14.5	20	
2-Methylphenol	20.9	5.00	"	50.0		41.7	10-90		17.8	20	
3- & 4-Methylphenols	17.2	5.00	"	50.0		34.3	10-101		18.2	20	
Naphthalene	25.2	0.0500	"	50.0		50.5	30-99		10.5	20	
4-Nitroaniline	44.0	5.00	"	50.0		88.1	15-143		17.1	20	



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

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	
		Limit			Result					%REC	RPD
Batch BF50956 - EPA 3510C											
LCS Dup (BF50956-BSD1)										Prepared & Analyzed: 06/19/2015	
3-Nitroaniline	38.0	5.00	ug/L	50.0		76.0	29-128			16.2	20
2-Nitroaniline	43.4	5.00	"	50.0		86.8	31-122			21.0	20 Non-dir.
Nitrobenzene	29.6	0.250	"	50.0		59.3	32-113			15.3	20
4-Nitrophenol	15.6	5.00	"	50.0		31.3	10-112			12.2	20
2-Nitrophenol	30.8	5.00	"	50.0		61.7	37-97			18.2	20
N-nitroso-di-n-propylamine	29.3	5.00	"	50.0		58.6	36-118			14.3	20
N-Nitrosodimethylamine	17.0	0.500	"	50.0		34.1	10-63			13.0	20
N-Nitrosodiphenylamine	36.8	5.00	"	50.0		73.7	27-145			15.7	20
Pentachlorophenol	42.2	0.250	"	50.0		84.5	19-127			20.0	20
Phenanthrene	31.8	0.0500	"	50.0		63.7	31-112			11.6	20
Phenol	9.15	5.00	"	50.0		18.3	10-37			15.4	20
Pyrene	36.0	0.0500	"	50.0		71.9	42-125			17.8	20
Pyridine	12.5	5.00	"	50.0		25.1	10-46			3.49	20
1,2,4-Trichlorobenzene	24.1	5.00	"	50.0		48.3	35-91			9.83	20
2,4,5-Trichlorophenol	35.5	5.00	"	50.0		70.9	36-112			19.6	20
2,4,6-Trichlorophenol	34.6	5.00	"	50.0		69.2	41-107			21.5	20 Non-dir.
<i>Surrogate: 2-Fluorophenol</i>	<i>24.3</i>		<i>"</i>	<i>75.2</i>		<i>32.3</i>	<i>10-65</i>				
<i>Surrogate: Phenol-d5</i>	<i>14.8</i>		<i>"</i>	<i>75.2</i>		<i>19.7</i>	<i>10-49</i>				
<i>Surrogate: Nitrobenzene-d5</i>	<i>33.0</i>		<i>"</i>	<i>50.0</i>		<i>66.0</i>	<i>10-96</i>				
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>28.7</i>		<i>"</i>	<i>50.2</i>		<i>57.1</i>	<i>10-93</i>				
<i>Surrogate: 2,4,6-Tribromophenol</i>	<i>50.7</i>		<i>"</i>	<i>75.2</i>		<i>67.5</i>	<i>10-128</i>				
<i>Surrogate: Terphenyl-d14</i>	<i>40.3</i>		<i>"</i>	<i>50.2</i>		<i>80.2</i>	<i>10-100</i>				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BF50887 - EPA SW846-3510C Low Level

Blank (BF50887-BLK1)

Prepared & Analyzed: 06/18/2015

4,4'-DDD	ND	0.00400	ug/L								
4,4'-DDE	ND	0.00400	"								
4,4'-DDT	ND	0.00400	"								
Aldrin	ND	0.00400	"								
alpha-BHC	ND	0.00400	"								
alpha-Chlordane	ND	0.00400	"								
beta-BHC	ND	0.00400	"								
Chlordane, total	ND	0.0400	"								
delta-BHC	ND	0.00400	"								
Dieldrin	ND	0.00200	"								
Endosulfan I	ND	0.00400	"								
Endosulfan II	ND	0.00400	"								
Endosulfan sulfate	ND	0.00400	"								
Endrin	ND	0.00400	"								
Endrin aldehyde	ND	0.0100	"								
Endrin ketone	ND	0.0100	"								
gamma-BHC (Lindane)	ND	0.00400	"								
gamma-Chlordane	ND	0.0100	"								
Heptachlor	ND	0.00400	"								
Heptachlor epoxide	ND	0.00400	"								
Methoxychlor	ND	0.00400	"								
Toxaphene	ND	0.100	"								

Surrogate: Tetrachloro-m-xylene

0.103

"

0.203

50.9

30-120

Surrogate: Decachlorobiphenyl

0.142

"

0.201

70.7

30-120

LCS (BF50887-BS1)

Prepared & Analyzed: 06/18/2015

4,4'-DDD	0.0857	0.00400	ug/L	0.100		85.7	40-120				
4,4'-DDE	0.0633	0.00400	"	0.100		63.3	40-120				
4,4'-DDT	0.0843	0.00400	"	0.100		84.3	40-120				
Aldrin	0.0609	0.00400	"	0.100		60.9	40-120				
alpha-BHC	0.0744	0.00400	"	0.100		74.4	40-120				
alpha-Chlordane	0.0677	0.00400	"	0.100		67.7	40-120				
beta-BHC	0.0830	0.00400	"	0.100		83.0	40-120				
delta-BHC	0.0704	0.00400	"	0.100		70.4	40-120				
Dieldrin	0.0725	0.00200	"	0.100		72.5	40-120				
Endosulfan I	0.0752	0.00400	"	0.100		75.2	40-120				
Endosulfan II	0.0759	0.00400	"	0.100		75.9	40-120				
Endosulfan sulfate	0.0730	0.00400	"	0.100		73.0	40-120				
Endrin	0.0790	0.00400	"	0.100		79.0	40-120				
Endrin aldehyde	0.0693	0.0100	"	0.100		69.3	40-120				
Endrin ketone	0.0920	0.0100	"	0.100		92.0	40-120				
gamma-BHC (Lindane)	0.0768	0.00400	"	0.100		76.8	40-120				
gamma-Chlordane	0.0675	0.0100	"	0.100		67.5	40-120				
Heptachlor	0.0602	0.00400	"	0.100		60.2	40-120				
Heptachlor epoxide	0.0694	0.00400	"	0.100		69.4	40-120				
Methoxychlor	0.0781	0.00400	"	0.100		78.1	40-120				

Surrogate: Tetrachloro-m-xylene

0.0946

"

0.203

46.6

30-120

Surrogate: Decachlorobiphenyl

0.0928

"

0.201

46.2

30-120



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BF50887 - EPA SW846-3510C Low Level

LCS Dup (BF50887-BSD1)

Prepared & Analyzed: 06/18/2015

4,4'-DDD	0.0973	0.00400	ug/L	0.100		97.3	40-120		12.7	30	
4,4'-DDE	0.0721	0.00400	"	0.100		72.1	40-120		13.0	30	
4,4'-DDT	0.0961	0.00400	"	0.100		96.1	40-120		13.1	30	
Aldrin	0.0684	0.00400	"	0.100		68.4	40-120		11.6	30	
alpha-BHC	0.0839	0.00400	"	0.100		83.9	40-120		12.0	30	
alpha-Chlordane	0.0759	0.00400	"	0.100		75.9	40-120		11.4	30	
beta-BHC	0.0926	0.00400	"	0.100		92.6	40-120		10.9	30	
delta-BHC	0.0795	0.00400	"	0.100		79.5	40-120		12.1	30	
Dieldrin	0.0816	0.00200	"	0.100		81.6	40-120		11.8	30	
Endosulfan I	0.0844	0.00400	"	0.100		84.4	40-120		11.5	30	
Endosulfan II	0.0854	0.00400	"	0.100		85.4	40-120		11.8	30	
Endosulfan sulfate	0.0826	0.00400	"	0.100		82.6	40-120		12.4	30	
Endrin	0.0897	0.00400	"	0.100		89.7	40-120		12.7	30	
Endrin aldehyde	0.0783	0.0100	"	0.100		78.3	40-120		12.2	30	
Endrin ketone	0.104	0.0100	"	0.100		104	40-120		12.5	30	
gamma-BHC (Lindane)	0.0864	0.00400	"	0.100		86.4	40-120		11.8	30	
gamma-Chlordane	0.0757	0.0100	"	0.100		75.7	40-120		11.4	30	
Heptachlor	0.0678	0.00400	"	0.100		67.8	40-120		11.9	30	
Heptachlor epoxide	0.0776	0.00400	"	0.100		77.6	40-120		11.1	30	
Methoxychlor	0.0887	0.00400	"	0.100		88.7	40-120		12.8	30	
Surrogate: Tetrachloro-m-xylene	0.106		"	0.203		52.1	30-120				
Surrogate: Decachlorobiphenyl	0.106		"	0.201		52.9	30-120				

Batch BF51016 - EPA SW846-3510C Low Level

Blank (BF51016-BLK1)

Prepared: 06/20/2015 Analyzed: 06/22/2015

4,4'-DDD	ND	0.00400	ug/L								
4,4'-DDE	ND	0.00400	"								
4,4'-DDT	ND	0.00400	"								
Aldrin	ND	0.00400	"								
alpha-BHC	ND	0.00400	"								
alpha-Chlordane	ND	0.00400	"								
beta-BHC	ND	0.00400	"								
Chlordane, total	ND	0.0400	"								
delta-BHC	ND	0.00400	"								
Dieldrin	ND	0.00200	"								
Endosulfan I	ND	0.00400	"								
Endosulfan II	ND	0.00400	"								
Endosulfan sulfate	ND	0.00400	"								
Endrin	ND	0.00400	"								
Endrin aldehyde	ND	0.0100	"								
Endrin ketone	ND	0.0100	"								
gamma-BHC (Lindane)	ND	0.00400	"								
gamma-Chlordane	ND	0.0100	"								
Heptachlor	ND	0.00400	"								
Heptachlor epoxide	ND	0.00400	"								
Methoxychlor	ND	0.00400	"								
Toxaphene	ND	0.100	"								
Surrogate: Tetrachloro-m-xylene	0.161		"	0.203		79.4	30-120				
Surrogate: Decachlorobiphenyl	0.198		"	0.201		98.5	30-120				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BF51016 - EPA SW846-3510C Low Level

LCS (BF51016-BS1)

Prepared: 06/20/2015 Analyzed: 06/22/2015

4,4'-DDD	0.0991	0.00400	ug/L	0.100		99.1	40-120				
4,4'-DDE	0.104	0.00400	"	0.100		104	40-120				
4,4'-DDT	0.0849	0.00400	"	0.100		84.9	40-120				
Aldrin	0.105	0.00400	"	0.100		105	40-120				
alpha-BHC	0.115	0.00400	"	0.100		115	40-120				
alpha-Chlordane	0.103	0.00400	"	0.100		103	40-120				
beta-BHC	0.116	0.00400	"	0.100		116	40-120				
delta-BHC	0.102	0.00400	"	0.100		102	40-120				
Dieldrin	0.103	0.00200	"	0.100		103	40-120				
Endosulfan I	0.114	0.00400	"	0.100		114	40-120				
Endosulfan II	0.0994	0.00400	"	0.100		99.4	40-120				
Endosulfan sulfate	0.0944	0.00400	"	0.100		94.4	40-120				
Endrin	0.102	0.00400	"	0.100		102	40-120				
Endrin aldehyde	0.0911	0.0100	"	0.100		91.1	40-120				
Endrin ketone	0.0915	0.0100	"	0.100		91.5	40-120				
gamma-BHC (Lindane)	0.110	0.00400	"	0.100		110	40-120				
gamma-Chlordane	0.0981	0.0100	"	0.100		98.1	40-120				
Heptachlor	0.0848	0.00400	"	0.100		84.8	40-120				
Heptachlor epoxide	0.100	0.00400	"	0.100		100	40-120				
Methoxychlor	0.0705	0.00400	"	0.100		70.5	40-120				
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>0.180</i>		<i>"</i>	<i>0.203</i>		<i>88.5</i>	<i>30-120</i>				
<i>Surrogate: Decachlorobiphenyl</i>	<i>0.174</i>		<i>"</i>	<i>0.201</i>		<i>86.6</i>	<i>30-120</i>				

LCS Dup (BF51016-BSD1)

Prepared: 06/20/2015 Analyzed: 06/22/2015

4,4'-DDD	0.0952	0.00400	ug/L	0.100		95.2	40-120	3.99	30		
4,4'-DDE	0.0977	0.00400	"	0.100		97.7	40-120	6.33	30		
4,4'-DDT	0.0815	0.00400	"	0.100		81.5	40-120	4.03	30		
Aldrin	0.0920	0.00400	"	0.100		92.0	40-120	13.5	30		
alpha-BHC	0.0988	0.00400	"	0.100		98.8	40-120	15.3	30		
alpha-Chlordane	0.0938	0.00400	"	0.100		93.8	40-120	9.82	30		
beta-BHC	0.104	0.00400	"	0.100		104	40-120	11.0	30		
delta-BHC	0.0919	0.00400	"	0.100		91.9	40-120	10.2	30		
Dieldrin	0.0938	0.00200	"	0.100		93.8	40-120	9.58	30		
Endosulfan I	0.102	0.00400	"	0.100		102	40-120	10.9	30		
Endosulfan II	0.0937	0.00400	"	0.100		93.7	40-120	5.90	30		
Endosulfan sulfate	0.0911	0.00400	"	0.100		91.1	40-120	3.61	30		
Endrin	0.0943	0.00400	"	0.100		94.3	40-120	7.56	30		
Endrin aldehyde	0.0869	0.0100	"	0.100		86.9	40-120	4.74	30		
Endrin ketone	0.0893	0.0100	"	0.100		89.3	40-120	2.37	30		
gamma-BHC (Lindane)	0.0953	0.00400	"	0.100		95.3	40-120	14.4	30		
gamma-Chlordane	0.0889	0.0100	"	0.100		88.9	40-120	9.87	30		
Heptachlor	0.0725	0.00400	"	0.100		72.5	40-120	15.5	30		
Heptachlor epoxide	0.0895	0.00400	"	0.100		89.5	40-120	11.1	30		
Methoxychlor	0.0723	0.00400	"	0.100		72.3	40-120	2.45	30		
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>0.156</i>		<i>"</i>	<i>0.203</i>		<i>76.7</i>	<i>30-120</i>				
<i>Surrogate: Decachlorobiphenyl</i>	<i>0.197</i>		<i>"</i>	<i>0.201</i>		<i>97.9</i>	<i>30-120</i>				



Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BF50887 - EPA SW846-3510C Low Level

Blank (BF50887-BLK1)

Prepared & Analyzed: 06/18/2015

Aroclor 1016	ND	0.0500	ug/L								
Aroclor 1221	ND	0.0500	"								
Aroclor 1232	ND	0.0500	"								
Aroclor 1242	ND	0.0500	"								
Aroclor 1248	ND	0.0500	"								
Aroclor 1254	ND	0.0500	"								
Aroclor 1260	ND	0.0500	"								
Total PCBs	ND	0.0500	"								
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>0.115</i>		<i>"</i>	<i>0.203</i>		<i>56.7</i>	<i>30-120</i>				
<i>Surrogate: Decachlorobiphenyl</i>	<i>0.129</i>		<i>"</i>	<i>0.201</i>		<i>64.2</i>	<i>30-120</i>				

LCS (BF50887-BS2)

Prepared & Analyzed: 06/18/2015

Aroclor 1016	1.06	0.0500	ug/L	1.00		106	40-120				
Aroclor 1260	1.12	0.0500	"	1.00		112	40-120				
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>0.146</i>		<i>"</i>	<i>0.203</i>		<i>71.9</i>	<i>30-120</i>				
<i>Surrogate: Decachlorobiphenyl</i>	<i>0.130</i>		<i>"</i>	<i>0.201</i>		<i>64.7</i>	<i>30-120</i>				

LCS Dup (BF50887-BS2)

Prepared & Analyzed: 06/18/2015

Aroclor 1016	1.08	0.0500	ug/L	1.00		108	40-120	1.83	30		
Aroclor 1260	1.14	0.0500	"	1.00		114	40-120	1.79	30		
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>0.147</i>		<i>"</i>	<i>0.203</i>		<i>72.4</i>	<i>30-120</i>				
<i>Surrogate: Decachlorobiphenyl</i>	<i>0.130</i>		<i>"</i>	<i>0.201</i>		<i>64.7</i>	<i>30-120</i>				

Batch BF51016 - EPA SW846-3510C Low Level

Blank (BF51016-BLK1)

Prepared: 06/20/2015 Analyzed: 06/22/2015

Aroclor 1016	ND	0.0500	ug/L								
Aroclor 1221	ND	0.0500	"								
Aroclor 1232	ND	0.0500	"								
Aroclor 1242	ND	0.0500	"								
Aroclor 1248	ND	0.0500	"								
Aroclor 1254	ND	0.0500	"								
Aroclor 1260	ND	0.0500	"								
Total PCBs	ND	0.0500	"								
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>0.193</i>		<i>"</i>	<i>0.203</i>		<i>95.1</i>	<i>30-120</i>				
<i>Surrogate: Decachlorobiphenyl</i>	<i>0.249</i>		<i>"</i>	<i>0.201</i>		<i>124</i>	<i>30-120</i>				



Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BF51016 - EPA SW846-3510C Low Level

LCS (BF51016-BS2)

Prepared: 06/20/2015 Analyzed: 06/22/2015

Aroclor 1016	0.971	0.0500	ug/L	1.00		97.1	40-120					
Aroclor 1260	1.09	0.0500	"	1.00		109	40-120					
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>0.139</i>		<i>"</i>	<i>0.203</i>		<i>68.5</i>	<i>30-120</i>					
<i>Surrogate: Decachlorobiphenyl</i>	<i>0.210</i>		<i>"</i>	<i>0.201</i>		<i>104</i>	<i>30-120</i>					

LCS Dup (BF51016-BSD2)

Prepared: 06/20/2015 Analyzed: 06/22/2015

Aroclor 1016	1.02	0.0500	ug/L	1.00		102	40-120		4.74	30		
Aroclor 1260	1.14	0.0500	"	1.00		114	40-120		4.76	30		
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>0.155</i>		<i>"</i>	<i>0.203</i>		<i>76.4</i>	<i>30-120</i>					
<i>Surrogate: Decachlorobiphenyl</i>	<i>0.229</i>		<i>"</i>	<i>0.201</i>		<i>114</i>	<i>30-120</i>					



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

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

Batch BF51011 - EPA 3010A

Blank (BF51011-BLK1)

Prepared & Analyzed: 06/19/2015

Aluminum - Dissolved	ND	0.050	mg/L
Antimony - Dissolved	ND	0.005	"
Arsenic - Dissolved	ND	0.004	"
Barium - Dissolved	ND	0.010	"
Beryllium - Dissolved	ND	0.001	"
Cadmium - Dissolved	ND	0.003	"
Calcium - Dissolved	ND	0.050	"
Chromium - Dissolved	ND	0.005	"
Cobalt - Dissolved	ND	0.005	"
Copper - Dissolved	ND	0.003	"
Iron - Dissolved	ND	0.020	"
Lead - Dissolved	ND	0.003	"
Magnesium - Dissolved	ND	0.050	"
Manganese - Dissolved	ND	0.005	"
Nickel - Dissolved	ND	0.005	"
Potassium - Dissolved	ND	0.050	"
Selenium - Dissolved	ND	0.010	"
Silver - Dissolved	ND	0.005	"
Sodium - Dissolved	ND	0.100	"
Thallium - Dissolved	ND	0.005	"
Vanadium - Dissolved	ND	0.010	"
Zinc - Dissolved	ND	0.010	"

Reference (BF51011-SRM1)

Prepared & Analyzed: 06/19/2015

Aluminum - Dissolved	0.502	0.050	mg/L	0.463	108	78.8-122
Antimony - Dissolved	0.412	0.005	"	0.444	92.8	80.1-117
Arsenic - Dissolved	0.216	0.004	"	0.243	89.1	80.7-119
Barium - Dissolved	1.48	0.010	"	1.39	107	84.9-115
Beryllium - Dissolved	0.108	0.001	"	0.107	101	85-115
Cadmium - Dissolved	0.263	0.003	"	0.291	90.5	84.9-115
Chromium - Dissolved	0.301	0.005	"	0.291	103	84.9-115
Cobalt - Dissolved	0.708	0.005	"	0.675	105	85-115
Copper - Dissolved	0.758	0.003	"	0.712	106	85-115
Iron - Dissolved	0.336	0.020	"	0.354	94.8	85-115
Lead - Dissolved	0.516	0.003	"	0.548	94.2	85-115
Manganese - Dissolved	0.487	0.005	"	0.463	105	85.1-115
Nickel - Dissolved	1.16	0.005	"	1.19	97.3	88.2-113
Selenium - Dissolved	0.534	0.010	"	0.620	86.2	85-115
Silver - Dissolved	0.537	0.005	"	0.520	103	85-115
Thallium - Dissolved	0.267	0.005	"	0.289	92.5	80.3-118
Vanadium - Dissolved	1.59	0.010	"	1.59	99.8	84.9-115
Zinc - Dissolved	1.22	0.010	"	1.24	98.1	84.7-115



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

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

Batch BF51011 - EPA 3010A

Reference (BF51011-SRM2)

Prepared & Analyzed: 06/19/2015

Calcium - Dissolved	46.6	0.050	mg/L	44.2		105		86-114			
Magnesium - Dissolved	93.7	0.050	"	90.7		103		86-114			
Potassium - Dissolved	64.4	0.050	"	60.9		106		84.9-115			
Sodium - Dissolved	76.4	0.100	"	73.8		104		85-115			

Batch BF51012 - EPA 3010A

Blank (BF51012-BLK1)

Prepared & Analyzed: 06/19/2015

Aluminum	ND	0.050	mg/L								
Antimony	ND	0.005	"								
Arsenic	ND	0.004	"								
Barium	ND	0.010	"								
Beryllium	ND	0.001	"								
Cadmium	ND	0.003	"								
Calcium	ND	0.050	"								
Chromium	ND	0.005	"								
Cobalt	ND	0.005	"								
Copper	ND	0.003	"								
Iron	ND	0.020	"								
Lead	ND	0.003	"								
Magnesium	ND	0.050	"								
Manganese	ND	0.005	"								
Nickel	ND	0.005	"								
Potassium	ND	0.050	"								
Selenium	ND	0.010	"								
Silver	ND	0.005	"								
Sodium	0.152	0.100	"								
Thallium	ND	0.005	"								
Vanadium	ND	0.010	"								
Zinc	ND	0.010	"								



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

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

Batch BF51012 - EPA 3010A

Reference (BF51012-SRM1)

Prepared & Analyzed: 06/19/2015

Aluminum	0.490	0.050	mg/L	0.463		106	78.8-122
Antimony	0.412	0.005	"	0.444		92.7	80.1-117
Arsenic	0.221	0.004	"	0.243		90.8	80.7-119
Barium	1.48	0.010	"	1.39		106	84.9-115
Beryllium	0.107	0.001	"	0.107		100	85-115
Cadmium	0.266	0.003	"	0.291		91.3	84.9-115
Chromium	0.303	0.005	"	0.291		104	84.9-115
Cobalt	0.712	0.005	"	0.675		105	85-115
Copper	0.749	0.003	"	0.712		105	85-115
Iron	0.334	0.020	"	0.354		94.5	85-115
Lead	0.520	0.003	"	0.548		94.9	85-115
Manganese	0.483	0.005	"	0.463		104	85.1-115
Nickel	1.16	0.005	"	1.19		97.2	88.2-113
Selenium	0.538	0.010	"	0.620		86.8	85-115
Silver	0.538	0.005	"	0.520		103	85-115
Thallium	0.270	0.005	"	0.289		93.5	80.3-118
Vanadium	1.58	0.010	"	1.59		99.3	84.9-115
Zinc	1.23	0.010	"	1.24		99.0	84.7-115

Reference (BF51012-SRM2)

Prepared & Analyzed: 06/19/2015

Calcium	46.6	0.050	mg/L	44.2		105	86-114
Magnesium	94.3	0.050	"	90.7		104	86-114
Potassium	64.8	0.050	"	60.9		106	84.9-115
Sodium	77.4	0.100	"	73.8		105	85-115



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF50815 - EPA 7473 water											
Blank (BF50815-BLK1)										Prepared & Analyzed: 06/17/2015	
Mercury	ND	0.00020	mg/L								
Mercury - Dissolved	ND	0.00020	"								
Reference (BF50815-SRM1)										Prepared & Analyzed: 06/17/2015	
Mercury - Dissolved	0.0026139		mg/L	0.00230		114	61.3-135				
Mercury	0.00261		mg/kg	0.00230		114	61.3-135				



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF50797 - Analysis Preparation											
Blank (BF50797-BLK1)											
								Prepared & Analyzed: 06/16/2015			
Chromium, Hexavalent	ND	0.0100	mg/L								
LCS (BF50797-BS1)											
								Prepared & Analyzed: 06/16/2015			
Chromium, Hexavalent	0.493	0.0100	mg/L	0.500		98.6	80-120				
Duplicate (BF50797-DUP1)											
								Prepared & Analyzed: 06/16/2015			
Chromium, Hexavalent	ND	0.0100	mg/L		ND					20	
Matrix Spike (BF50797-MS1)											
								Prepared & Analyzed: 06/16/2015			
Chromium, Hexavalent	0.481	0.0100	mg/L	0.500	ND	96.2	75-125				



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
15F0586-01	MW-1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
15F0586-02	MW-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
15F0586-03	MW-3	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
15F0586-04	Field Blank	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
15F0586-05	Trip Blank	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Notes and Definitions

S-DUP	Duplicate analysis confirmed surrogate failure due to matrix effects.
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.
M-DB	Analyte in Method Blank >MDL. Sample conc. >10 X blank conc.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
GC-Surr	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the alternate surrogate.
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. Data users should consider anything <10x the blank value as artifact.
<hr/>	
*	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.

Revised

Page ___ of ___



YORK ANALYTICAL LABORATORIES
120 RESEARCH DR.
STRATFORD, CT 06615
(203) 325-1371
FAX (203) 357-0166

Field Chain-of-Custody Record

NOTE: York's Std. Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions.

York Project No. 15F0586

YOUR Information	Report to:	Invoice I.o:	YOUR Project ID	Turn-Around Time	Report/Deliverable Type
Company: Hydro Tech Env Corp	SAME <input checked="" type="checkbox"/>	SAME <input type="checkbox"/>	#150133	RUSH-Same Day	Summary Report <input checked="" type="checkbox"/>
Address: 15 Ocean Ave, 2nd Floor Brooklyn NY 11225	Name:	Name: Muslima Ward	200 East 135th Street Bronx, NY	RUSH-Next Day	QA Report <input checked="" type="checkbox"/>
Phone.: (718) 636-0800	Company:	Company: Hydro Tech Env	Purchase Order #	RUSH-Two Day	CT RCP
Contact: Morgan Violette	Address:	Address: 77 Arkay Drive Suite G Hauppauge, NY 11788	5880	RUSH-Three Day	CT RCP DQA/DUE Pkg
E-mail: mviolette@hydrotechenvironmental.com	E-mail:	E-mail: mward@hydrotechenviro.com	Samples from CT__NY_X_NJ__	RUSH-Four Day <input checked="" type="checkbox"/>	NY ASP A Package
				Standard (5-7day)	NY ASP B Package
					NJDEP Reduced Deliv

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

Samples Collected/Authorized By (Signature)
Adriana Zapata
Name (printed)

- Matrix Codes
- S - soil
 - Other - specify (oil, etc)
 - WW - wastewater
 - GW - groundwater
 - DW - drinking water
 - Air-A - ambient air
 - Air-SV - soil vapor

Volatiles	Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists
8260 full TICs	8270 or 625	8082 PCB	RCRA8	TPH GRO	Pri. Poll.
624 Site Spec.	STARS list	8081 Pest	PP13 list	TPH DRO	TCL Organics
STARS list Nassau Co.	BN Only	8151 Herb	TAL	CT/ETPH	TAL Met/Cl
BTEX Suffol. Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP
MTBE Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX
TCL list Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part 360 Routine
TAGM list TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part 360 Erodine
CT RCP list 524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part 360 Inorganic
Arom. only 502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part 360 Inorganic
Halog. only NJDEP list	App. IX	Chlordane	Indiv. Metals	Air TICs	NYCDEP Sover
App IX list SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sover
8021B list	SPLP or TCLP	608 PCB	Helium	TAGM	

Excel	<input checked="" type="checkbox"/>
NYSDEC EQUIS	<input checked="" type="checkbox"/>
NJDEP SRP HazSite	
EQUIS	
GIS/KEY (std)	
YORK Regulatory Comp Excel	
compared to:	
NYSDEC Groundwater	
Quality Standards	
OTHER:	

Sample Identification	Date/Time Sampled	Matrix	Analysis Requested (List does not include semi-volatile organics)	Container Description
MW-1	6/16/15 @	GW	EPA 8260, 8270, 8081/8082, TAL metals (filtered and unfiltered), Chromium hexavalent & trivalent	3 1L glass amber, 2 250 mL plastic, 1 250 mL plastic w/ HNO3, 3 40 mL w/ HCl
MW-2	6/16/15 @	GW		"
MW-3	6/16/15 @	GW		"
Field Blank	6/16/15 @	FB		"
Trip Blank	6/16/15 @	TB	EPA 8260	2 40 mL w/ HCl

Comments: E designation
Please have results in 4-6 days as per Hydro Tech agreement

Preservation (check all applicable)
 4°C Frozen HCl MeOH HNO₃ H₂SO₄ NaOH
 ZnAc Ascorbic Acid Other

Special Instructions: _____

Samples Relinquished By: _____ Date/Time: _____
 Samples Received By: T. Mahl Date/Time: 6/16/15 1755

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4.4°C

Appendix I: Laboratory Data Deliverables for Soil Vapor Analytical Data



Technical Report

prepared for:

Hydro Tech Environmental (Brooklyn)

15 Ocean Avenue

Brooklyn NY, 11225

Attention: Morgan Violette

Report Date: 07/06/2015

Client Project ID: #150133 200 East 135th Street Bronx, NY

York Project (SDG) No.: 15G0061

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Hydro Tech Environmental (Brooklyn)

15 Ocean Avenue
Brooklyn NY, 11225
Attention: Morgan Violette

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on July 01, 2015 and listed below. The project was identified as your project: **#150133 200 East 135th Street Bronx, NY**.

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

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

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

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

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

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
15G0061-01	SV-5	Soil Vapor	07/01/2015	07/01/2015
15G0061-02	OA-1	Outdoor Ambient Ai	07/01/2015	07/01/2015

General Notes for York Project (SDG) No.: 15G0061

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

Approved By:



Benjamin Gulizia
Laboratory Director

Date: 07/06/2015





Sample Information

Client Sample ID: SV-5

York Sample ID: 15G0061-01

<u>York Project (SDG) No.</u> 15G0061	<u>Client Project ID</u> #150133 200 East 135th Street Bronx, NY	<u>Matrix</u> Soil Vapor	<u>Collection Date/Time</u> July 1, 2015 1:00 pm	<u>Date Received</u> 07/01/2015
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Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	7.9	16	22.9	EPA TO-15 Certifications:	07/02/2015 15:53	07/03/2015 08:45	ALD
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	12	12	22.9	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 08:45	ALD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	16	16	22.9	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 08:45	ALD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	18	18	22.9	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 08:45	ALD
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	12	12	22.9	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 08:45	ALD
75-34-3	1,1-Dichloroethane	ND		ug/m ³	9.3	9.3	22.9	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 08:45	ALD
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	9.1	9.1	22.9	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 08:45	ALD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	17	17	22.9	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 08:45	ALD
95-63-6	1,2,4-Trimethylbenzene	12		ug/m ³	11	11	22.9	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 08:45	ALD
106-93-4	1,2-Dibromoethane	ND		ug/m ³	18	18	22.9	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 08:45	ALD
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	14	14	22.9	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 08:45	ALD
107-06-2	1,2-Dichloroethane	ND		ug/m ³	9.3	9.3	22.9	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 08:45	ALD
78-87-5	1,2-Dichloropropane	ND		ug/m ³	11	11	22.9	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 08:45	ALD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	16	16	22.9	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 08:45	ALD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	11	11	22.9	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 08:45	ALD
106-99-0	1,3-Butadiene	150		ug/m ³	9.9	9.9	22.9	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 08:45	ALD
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	14	14	22.9	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 08:45	ALD
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	11	11	22.9	EPA TO-15 Certifications:	07/02/2015 15:53	07/03/2015 08:45	ALD
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	14	14	22.9	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 08:45	ALD
123-91-1	1,4-Dioxane	ND		ug/m ³	8.3	8.3	22.9	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 08:45	ALD
78-93-3	2-Butanone	91		ug/m ³	6.8	6.8	22.9	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 08:45	ALD
591-78-6	* 2-Hexanone	ND		ug/m ³	19	19	22.9	EPA TO-15 Certifications:	07/02/2015 15:53	07/03/2015 08:45	ALD



Sample Information

Client Sample ID: SV-5

York Sample ID: 15G0061-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15G0061

#150133 200 East 135th Street Bronx, NY

Soil Vapor

July 1, 2015 1:00 pm

07/01/2015

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	* 3-Chloropropene	ND		ug/m ³	7.2	7.2	22.9	EPA TO-15 Certifications:	07/02/2015 15:53	07/03/2015 08:45	ALD
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	9.4	9.4	22.9	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 08:45	ALD
67-64-1	Acetone	580		ug/m ³	5.4	68	22.9	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 08:45	ALD
107-13-1	* Acrylonitrile	ND		ug/m ³	5.0	5.0	22.9	EPA TO-15 Certifications:	07/02/2015 15:53	07/03/2015 08:45	ALD
71-43-2	Benzene	45		ug/m ³	7.3	7.3	22.9	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 08:45	ALD
100-44-7	Benzyl chloride	ND		ug/m ³	12	12	22.9	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 08:45	ALD
75-27-4	Bromodichloromethane	ND		ug/m ³	14	14	22.9	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 08:45	ALD
75-25-2	Bromoform	ND		ug/m ³	24	24	22.9	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 08:45	ALD
74-83-9	Bromomethane	ND		ug/m ³	8.9	8.9	22.9	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 08:45	ALD
75-15-0	Carbon disulfide	130		ug/m ³	7.1	7.1	22.9	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 08:45	ALD
56-23-5	Carbon tetrachloride	ND		ug/m ³	3.6	3.6	22.9	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 08:45	ALD
108-90-7	Chlorobenzene	ND		ug/m ³	11	11	22.9	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 08:45	ALD
75-00-3	Chloroethane	ND		ug/m ³	6.0	6.0	22.9	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 08:45	ALD
67-66-3	Chloroform	ND		ug/m ³	11	11	22.9	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 08:45	ALD
74-87-3	Chloromethane	ND		ug/m ³	4.7	4.7	22.9	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 08:45	ALD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	9.1	9.1	22.9	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 08:45	ALD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	10	10	22.9	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 08:45	ALD
110-82-7	Cyclohexane	32		ug/m ³	7.9	7.9	22.9	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 08:45	ALD
124-48-1	Dibromochloromethane	ND		ug/m ³	18	18	22.9	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 08:45	ALD
75-71-8	Dichlorodifluoromethane	31		ug/m ³	11	11	22.9	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 08:45	ALD
141-78-6	* Ethyl acetate	ND		ug/m ³	17	17	22.9	EPA TO-15 Certifications:	07/02/2015 15:53	07/03/2015 08:45	ALD
100-41-4	Ethyl Benzene	24		ug/m ³	9.9	9.9	22.9	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 08:45	ALD
87-68-3	Hexachlorobutadiene	ND		ug/m ³	24	24	22.9	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 08:45	ALD



Sample Information

Client Sample ID: SV-5

York Sample ID: 15G0061-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15G0061

#150133 200 East 135th Street Bronx, NY

Soil Vapor

July 1, 2015 1:00 pm

07/01/2015

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-63-0	Isopropanol	ND		ug/m ³	11	11	22.9	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 08:45	ALD
80-62-6	Methyl Methacrylate	ND		ug/m ³	9.4	9.4	22.9	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 08:45	ALD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	8.2	8.2	22.9	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 08:45	ALD
75-09-2	Methylene chloride	ND		ug/m ³	16	16	22.9	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 08:45	ALD
142-82-5	n-Heptane	53		ug/m ³	9.4	9.4	22.9	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 08:45	ALD
110-54-3	n-Hexane	110		ug/m ³	8.1	8.1	22.9	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 08:45	ALD
95-47-6	o-Xylene	ND		ug/m ³	9.9	9.9	22.9	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 08:45	ALD
179601-23-1	p- & m- Xylenes	ND		ug/m ³	20	20	22.9	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 08:45	ALD
622-96-8	* p-Ethyltoluene	ND		ug/m ³	11	11	22.9	EPA TO-15 Certifications:	07/02/2015 15:53	07/03/2015 08:45	ALD
115-07-1	* Propylene	ND		ug/m ³	3.9	3.9	22.9	EPA TO-15 Certifications:	07/02/2015 15:53	07/03/2015 08:45	ALD
100-42-5	Styrene	ND		ug/m ³	9.8	9.8	22.9	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 08:45	ALD
127-18-4	Tetrachloroethylene	ND		ug/m ³	3.9	3.9	22.9	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 08:45	ALD
109-99-9	* Tetrahydrofuran	69		ug/m ³	6.8	44	22.9	EPA TO-15 Certifications:	07/02/2015 15:53	07/03/2015 08:45	ALD
108-88-3	Toluene	31		ug/m ³	8.6	8.6	22.9	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 08:45	ALD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	9.1	9.1	22.9	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 08:45	ALD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	10	10	22.9	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 08:45	ALD
79-01-6	Trichloroethylene	ND		ug/m ³	3.1	3.1	22.9	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 08:45	ALD
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m ³	13	13	22.9	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 08:45	ALD
108-05-4	Vinyl acetate	ND		ug/m ³	8.1	8.1	22.9	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 08:45	ALD
593-60-2	Vinyl bromide	ND		ug/m ³	10	10	22.9	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 08:45	ALD
75-01-4	Vinyl Chloride	ND		ug/m ³	1.5	1.5	22.9	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 08:45	ALD
	Surrogate Recoveries	Result		Acceptance Range							
460-00-4	Surrogate: p-Bromofluorobenzene	91.0 %		72-118							



Sample Information

Client Sample ID: OA-1

York Sample ID: 15G0061-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15G0061

#150133 200 East 135th Street Bronx, NY

Outdoor Ambient Air

July 1, 2015 1:00 pm

07/01/2015

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	0.35	0.70	1.0144	EPA TO-15 Certifications:	07/02/2015 15:53	07/03/2015 04:36	ALD
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.55	0.55	1.0144	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 04:36	ALD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	0.70	0.70	1.0144	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 04:36	ALD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	0.78	0.78	1.0144	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 04:36	ALD
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.55	0.55	1.0144	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 04:36	ALD
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.41	0.41	1.0144	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 04:36	ALD
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.40	0.40	1.0144	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 04:36	ALD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	0.75	0.75	1.0144	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 04:36	ALD
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m ³	0.50	0.50	1.0144	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 04:36	ALD
106-93-4	1,2-Dibromoethane	ND		ug/m ³	0.78	0.78	1.0144	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 04:36	ALD
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.61	0.61	1.0144	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 04:36	ALD
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.41	0.41	1.0144	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 04:36	ALD
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.47	0.47	1.0144	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 04:36	ALD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	0.71	0.71	1.0144	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 04:36	ALD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.50	0.50	1.0144	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 04:36	ALD
106-99-0	1,3-Butadiene	ND		ug/m ³	0.44	0.44	1.0144	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 04:36	ALD
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.61	0.61	1.0144	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 04:36	ALD
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.47	0.47	1.0144	EPA TO-15 Certifications:	07/02/2015 15:53	07/03/2015 04:36	ALD
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.61	0.61	1.0144	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 04:36	ALD
123-91-1	1,4-Dioxane	ND		ug/m ³	0.37	0.37	1.0144	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 04:36	ALD
78-93-3	2-Butanone	1.6		ug/m ³	0.30	0.30	1.0144	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 04:36	ALD
591-78-6	* 2-Hexanone	ND		ug/m ³	0.83	0.83	1.0144	EPA TO-15 Certifications:	07/02/2015 15:53	07/03/2015 04:36	ALD
107-05-1	* 3-Chloropropene	ND		ug/m ³	0.32	0.32	1.0144	EPA TO-15 Certifications:	07/02/2015 15:53	07/03/2015 04:36	ALD
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.42	0.42	1.0144	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 04:36	ALD



Sample Information

Client Sample ID: OA-1

York Sample ID: 15G0061-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15G0061

#150133 200 East 135th Street Bronx, NY

Outdoor Ambient Air

July 1, 2015 1:00 pm

07/01/2015

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	21		ug/m ³	0.24	3.0	1.0144	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 04:36	ALD
107-13-1	* Acrylonitrile	ND		ug/m ³	0.22	0.22	1.0144	EPA TO-15 Certifications:	07/02/2015 15:53	07/03/2015 04:36	ALD
71-43-2	Benzene	0.52		ug/m ³	0.32	0.32	1.0144	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 04:36	ALD
100-44-7	Benzyl chloride	ND		ug/m ³	0.53	0.53	1.0144	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 04:36	ALD
75-27-4	Bromodichloromethane	ND		ug/m ³	0.63	0.63	1.0144	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 04:36	ALD
75-25-2	Bromoform	ND		ug/m ³	1.0	1.0	1.0144	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 04:36	ALD
74-83-9	Bromomethane	ND		ug/m ³	0.39	0.39	1.0144	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 04:36	ALD
75-15-0	Carbon disulfide	ND		ug/m ³	0.32	0.32	1.0144	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 04:36	ALD
56-23-5	Carbon tetrachloride	ND		ug/m ³	0.16	0.16	1.0144	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 04:36	ALD
108-90-7	Chlorobenzene	ND		ug/m ³	0.47	0.47	1.0144	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 04:36	ALD
75-00-3	Chloroethane	ND		ug/m ³	0.27	0.27	1.0144	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 04:36	ALD
67-66-3	Chloroform	ND		ug/m ³	0.50	0.50	1.0144	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 04:36	ALD
74-87-3	Chloromethane	1.8		ug/m ³	0.21	0.21	1.0144	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 04:36	ALD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.40	0.40	1.0144	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 04:36	ALD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.46	0.46	1.0144	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 04:36	ALD
110-82-7	Cyclohexane	ND		ug/m ³	0.35	0.35	1.0144	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 04:36	ALD
124-48-1	Dibromochloromethane	ND		ug/m ³	0.81	0.81	1.0144	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 04:36	ALD
75-71-8	Dichlorodifluoromethane	2.1		ug/m ³	0.50	0.50	1.0144	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 04:36	ALD
141-78-6	* Ethyl acetate	ND		ug/m ³	0.73	0.73	1.0144	EPA TO-15 Certifications:	07/02/2015 15:53	07/03/2015 04:36	ALD
100-41-4	Ethyl Benzene	ND		ug/m ³	0.44	0.44	1.0144	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 04:36	ALD
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.1	1.1	1.0144	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 04:36	ALD
67-63-0	Isopropanol	4.1		ug/m ³	0.50	0.50	1.0144	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 04:36	ALD
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.42	0.42	1.0144	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 04:36	ALD



Sample Information

Client Sample ID: OA-1

York Sample ID: 15G0061-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15G0061

#150133 200 East 135th Street Bronx, NY

Outdoor Ambient Air

July 1, 2015 1:00 pm

07/01/2015

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.37	0.37	1.0144	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 04:36	ALD
75-09-2	Methylene chloride	0.85		ug/m ³	0.70	0.70	1.0144	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 04:36	ALD
142-82-5	n-Heptane	ND		ug/m ³	0.42	0.42	1.0144	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 04:36	ALD
110-54-3	n-Hexane	ND		ug/m ³	0.36	0.36	1.0144	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 04:36	ALD
95-47-6	o-Xylene	ND		ug/m ³	0.44	0.44	1.0144	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 04:36	ALD
179601-23-1	p- & m- Xylenes	ND		ug/m ³	0.88	0.88	1.0144	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 04:36	ALD
622-96-8	* p-Ethyltoluene	ND		ug/m ³	0.50	0.50	1.0144	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 04:36	ALD
115-07-1	* Propylene	ND		ug/m ³	0.17	0.17	1.0144	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 04:36	ALD
100-42-5	Styrene	ND		ug/m ³	0.43	0.43	1.0144	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 04:36	ALD
127-18-4	Tetrachloroethylene	ND		ug/m ³	0.17	0.17	1.0144	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 04:36	ALD
109-99-9	* Tetrahydrofuran	ND		ug/m ³	0.30	1.9	1.0144	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 04:36	ALD
108-88-3	Toluene	1.5		ug/m ³	0.38	0.38	1.0144	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 04:36	ALD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.40	0.40	1.0144	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 04:36	ALD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.46	0.46	1.0144	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 04:36	ALD
79-01-6	Trichloroethylene	ND		ug/m ³	0.14	0.14	1.0144	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 04:36	ALD
75-69-4	Trichlorofluoromethane (Freon 11)	1.2		ug/m ³	0.57	0.57	1.0144	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 04:36	ALD
108-05-4	Vinyl acetate	ND		ug/m ³	0.36	0.36	1.0144	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 04:36	ALD
593-60-2	Vinyl bromide	ND		ug/m ³	0.44	0.44	1.0144	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 04:36	ALD
75-01-4	Vinyl Chloride	ND		ug/m ³	0.065	0.065	1.0144	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	07/02/2015 15:53	07/03/2015 04:36	ALD
	Surrogate Recoveries	Result						Acceptance Range			
460-00-4	Surrogate: p-Bromofluorobenzene	90.0 %						72-118			



Analytical Batch Summary

Batch ID: BG50154

Preparation Method: EPA TO15 PREP

Prepared By: ALD

YORK Sample ID	Client Sample ID	Preparation Date
15G0061-01	SV-5	07/02/15
15G0061-02	OA-1	07/02/15
BG50154-BLK1	Blank	07/02/15
BG50154-BS1	LCS	07/02/15



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG50154 - EPA TO15 PREP

Blank (BG50154-BLK1)

Prepared & Analyzed: 07/02/2015

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	0.40	"								
1,2,4-Trichlorobenzene	ND	0.74	"								
1,2,4-Trimethylbenzene	ND	0.49	"								
1,2-Dibromoethane	ND	0.77	"								
1,2-Dichlorobenzene	ND	0.60	"								
1,2-Dichloroethane	ND	0.40	"								
1,2-Dichloropropane	ND	0.46	"								
1,2-Dichlorotetrafluoroethane	ND	0.70	"								
1,3,5-Trimethylbenzene	ND	0.49	"								
1,3-Butadiene	ND	0.43	"								
1,3-Dichlorobenzene	ND	0.60	"								
1,3-Dichloropropane	ND	0.46	"								
1,4-Dichlorobenzene	ND	0.60	"								
1,4-Dioxane	ND	0.36	"								
2-Butanone	ND	0.29	"								
2-Hexanone	ND	0.82	"								
3-Chloropropene	ND	0.31	"								
4-Methyl-2-pentanone	ND	0.41	"								
Acetone	ND	3.0	"								
Acrylonitrile	ND	0.22	"								
Benzene	ND	0.32	"								
Benzyl chloride	ND	0.52	"								
Bromodichloromethane	ND	0.62	"								
Bromoform	ND	1.0	"								
Bromomethane	ND	0.39	"								
Carbon disulfide	ND	0.31	"								
Carbon tetrachloride	ND	0.16	"								
Chlorobenzene	ND	0.46	"								
Chloroethane	ND	0.26	"								
Chloroform	ND	0.49	"								
Chloromethane	ND	0.21	"								
cis-1,2-Dichloroethylene	ND	0.40	"								
cis-1,3-Dichloropropylene	ND	0.45	"								
Cyclohexane	ND	0.34	"								
Dibromochloromethane	ND	0.80	"								
Dichlorodifluoromethane	ND	0.49	"								
Ethyl acetate	ND	0.72	"								
Ethyl Benzene	ND	0.43	"								
Hexachlorobutadiene	ND	1.1	"								
Isopropanol	ND	0.49	"								
Methyl Methacrylate	ND	0.41	"								
Methyl tert-butyl ether (MTBE)	ND	0.36	"								
Methylene chloride	ND	0.69	"								
n-Heptane	ND	0.41	"								
n-Hexane	ND	0.35	"								



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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG50154 - EPA TO15 PREP

Blank (BG50154-BLK1)

Prepared & Analyzed: 07/02/2015

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	1.9	"								
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	9.26		ppbv	10.4		89.0	72-118				
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LCS (BG50154-BS1)

Prepared & Analyzed: 07/02/2015

1,1,1,2-Tetrachloroethane	8.51		ppbv	10.5		81.0	82-126	Low Bias			
1,1,1-Trichloroethane	7.95		"	10.2		77.9	70-130				
1,1,2,2-Tetrachloroethane	8.11		"	10.3		78.7	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.01		"	10.4		77.0	70-130				
1,1,2-Trichloroethane	9.00		"	10.3		87.4	70-130				
1,1-Dichloroethane	8.23		"	10.2		80.7	70-130				
1,1-Dichloroethylene	8.11		"	10.4		78.0	70-130				
1,2,4-Trichlorobenzene	8.18		"	9.00		90.9	70-130				
1,2,4-Trimethylbenzene	8.55		"	10.2		83.8	70-130				
1,2-Dibromoethane	9.05		"	10.4		87.0	70-130				
1,2-Dichlorobenzene	9.30		"	10.1		92.1	70-130				
1,2-Dichloroethane	8.08		"	10.2		79.2	70-130				
1,2-Dichloropropane	8.79		"	10.2		86.2	70-130				
1,2-Dichlorotetrafluoroethane	10.3		"	9.80		105	70-130				
1,3,5-Trimethylbenzene	8.00		"	10.0		80.0	70-130				
1,3-Butadiene	12.3		"	10.1		121	70-130				
1,3-Dichlorobenzene	9.28		"	10.2		91.0	70-130				
1,3-Dichloropropane	8.72		"	10.5		83.0	70-130				
1,4-Dichlorobenzene	9.17		"	10.1		90.8	70-130				
1,4-Dioxane	8.16		"	10.2		80.0	70-130				
2-Butanone	8.90		"	10.4		85.6	70-130				
2-Hexanone	11.0		"	10.5		105	70-130				
3-Chloropropene	9.04		"	10.7		84.5	70-130				
4-Methyl-2-pentanone	10.7		"	10.2		105	70-130				
Acetone	9.66		"	10.6		91.1	70-130				
Acrylonitrile	6.26		"	10.3		60.8	70-130	Low Bias			
Benzene	7.54		"	10.3		73.2	70-130				
Benzyl chloride	6.49		"	10.2		63.6	70-130	Low Bias			
Bromodichloromethane	9.04		"	10.2		88.6	70-130				
Bromoform	8.82		"	10.1		87.3	70-130				
Bromomethane	7.25		"	9.50		76.3	70-130				
Carbon disulfide	8.23		"	10.5		78.4	70-130				
Carbon tetrachloride	8.21		"	10.2		80.5	70-130				
Chlorobenzene	7.76		"	10.5		73.9	70-130				



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

York Analytical Laboratories, Inc.

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

Batch BG50154 - EPA TO15 PREP

LCS (BG50154-BS1)

Prepared & Analyzed: 07/02/2015

Chloroethane	7.19		ppbv	9.40		76.5	70-130				
Chloroform	7.54		"	10.4		72.5	70-130				
Chloromethane	10.8		"	9.80		111	70-130				
cis-1,2-Dichloroethylene	8.12		"	10.2		79.6	70-130				
cis-1,3-Dichloropropylene	8.94		"	11.0		81.3	70-130				
Cyclohexane	8.02		"	10.3		77.9	70-130				
Dibromochloromethane	9.98		"	10.6		94.2	70-130				
Dichlorodifluoromethane	9.25		"	9.80		94.4	70-130				
Ethyl acetate	9.17		"	10.4		88.2	70-130				
Ethyl Benzene	7.76		"	10.4		74.6	70-130				
Hexachlorobutadiene	9.19		"	9.10		101	70-130				
Isopropanol	7.26		"	10.0		72.6	70-130				
Methyl Methacrylate	8.71		"	9.80		88.9	70-130				
Methyl tert-butyl ether (MTBE)	7.57		"	10.3		73.5	70-130				
Methylene chloride	8.92		"	10.4		85.8	70-130				
n-Heptane	9.26		"	10.5		88.2	70-130				
n-Hexane	8.28		"	10.5		78.9	70-130				
o-Xylene	8.27		"	10.3		80.3	70-130				
p- & m- Xylenes	16.6		"	20.2		82.2	70-130				
p-Ethyltoluene	8.22		"	10.0		82.2	70-130				
Propylene	10.1		"	10.6		95.0	70-130				
Styrene	8.02		"	10.2		78.6	70-130				
Tetrachloroethylene	9.04		"	9.90		91.3	70-130				
Tetrahydrofuran	9.68		"	10.6		91.3	70-130				
Toluene	8.88		"	10.5		84.6	70-130				
trans-1,2-Dichloroethylene	7.93		"	10.1		78.5	70-130				
trans-1,3-Dichloropropylene	8.39		"	10.3		81.5	70-130				
Trichloroethylene	8.50		"	10.2		83.3	70-130				
Trichlorofluoromethane (Freon 11)	8.24		"	9.90		83.2	70-130				
Vinyl acetate	9.47		"	10.7		88.5	70-130				
Vinyl bromide	7.66		"	10.5		73.0	70-130				
Vinyl Chloride	12.5		"	9.90		126	70-130				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.20</i>		<i>"</i>	<i>10.4</i>		<i>88.5</i>	<i>72-118</i>				



Notes and Definitions

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

Field Chain-of-Custody Record - AIR

NOTE: York's Std. Terms & Conditions are listed on the back side of this document. This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions unless superseded by written contract.

York Project No. 1560061

YOUR Information		Report To:		Invoice To:		YOUR Project ID		Turn-Around Time		Report Type/Deliverables			
Company: Hydro Tech Environmental, Corp. Address: 15 Ocean Avenue, 2nd Floor Brooklyn, NY 11225 Phone No. (718) 636-0800 Contact Person: Morgan Violette E-Mail Address: mviolette@htecorp.info		Company: SAME Address: Phone No. Attention: E-Mail Address:		Company: Hydro Tech Environmental, Corp. Address: 71 Arkey Drive, Suite G Hauppauge, New York 11788 Phone No. (631) 462-3866 Attention: Maslima Ward E-Mail Address: mward@htecorp.info		#150133 200 East 135th Street Bronx, NY Purchase Order No. 5898 Samples from: CT <input type="checkbox"/> NY <input checked="" type="checkbox"/> NJ <input type="checkbox"/>		RUSH - Same Day <input type="checkbox"/> RUSH - Next Day <input type="checkbox"/> RUSH - Two Day <input type="checkbox"/> RUSH - Three Day <input type="checkbox"/> RUSH - Four Day <input checked="" type="checkbox"/> Standard (5-7 Days) <input type="checkbox"/>		Summary Report <input checked="" type="checkbox"/> Summary w/ QA summary <input checked="" type="checkbox"/> CT RCP Package <input type="checkbox"/> NY ASP A Package <input type="checkbox"/> NY ASP B/CLP Pkg <input type="checkbox"/> NJDEP Reduced <input type="checkbox"/> <i>Electronic Deliverables:</i> EDD (Specify Type) <input checked="" type="checkbox"/> Standard Excel <input checked="" type="checkbox"/> Regulatory Comparison Excel <input type="checkbox"/>			
<p><i>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.</i></p> <p><u>Adriana Zapata</u> Samples Collected/Authorized By (Signature) <u>Adriana Zapata A</u> Name (printed)</p>		<p>Air Matrix Codes</p> <p>AI- INDOOR Ambient Air AO- OUTDOOR Amb. Air AE- Vapor Extraction Well/ Process Gas/Effluent AS- SOIL Vapor/Sub-Slab</p>		<p>TO15 Volatiles and Other Gas Analyses</p> <p>EPA TO-15 List NYSDEC VI list NYSDEC STARS List Project Specific List by TO-15 Air VPH Helium Methane OTHER</p>		<p>Detection Limits Required</p> <p>≤ 1 ug/m³ NYSDEC VI Limits (VI - vapor intrusion) NJDEP low level Routine Survey Other</p>		<p>Special Instructions</p> <p>NYSDEC EQUIS</p>		<p>Choose Analytes Needed from the Menu Above and Enter Below</p> <p>EPA TO-15 EPA TO-15</p>		<p>Sampling Media</p> <p>6 Liter Summa canister Tedlar Bag 6 Liter Summa canister Tedlar Bag 6 Liter Summa canister Tedlar Bag 6 Liter Summa canister Tedlar Bag 6 Liter Summa canister Tedlar Bag 6 Liter Summa canister Tedlar Bag 6 Liter Summa canister Tedlar Bag 6 Liter Summa canister Tedlar Bag 6 Liter Summa canister Tedlar Bag 6 Liter Summa canister Tedlar Bag</p>	
<p>Sample Identification</p> <p>SV-5 7/1/15 AS CA-1 7/1/15 AO</p>		<p>AIR Matrix</p> <p>AS AO</p>		<p>Canister Vacuum Before Sampling (in. Hg) After Sampling (in. Hg)</p>		<p>Canister Vacuum</p>		<p>Samples Relinquished By <u>Adriana Zapata 07-01-15</u> Date/Time <u>Adriana Zapata 07-01-15</u> Date/Time</p>		<p>Samples Received By <u>PKACE 7-1-15</u> Date/Time <u>7/1/15 2:00</u> Date/Time</p>			
<p>Comments</p> <p>Please have results in 4 days per Hydro Tech agreement E-Designation</p>		<p>Comments</p>											



Technical Report

prepared for:

Hydro Tech Environmental (Brooklyn)

15 Ocean Avenue

Brooklyn NY, 11225

Attention: Morgan Violette

Report Date: 06/18/2015

Client Project ID: #150133 200 East 135th Street. Bronx NY

York Project (SDG) No.: 15F0579

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 06/18/2015
Client Project ID: #150133 200 East 135th Street. Bronx NY
York Project (SDG) No.: 15F0579

Hydro Tech Environmental (Brooklyn)

15 Ocean Avenue
Brooklyn NY, 11225
Attention: Morgan Violette

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 June 16, 2015 and listed below. The project was identified as your project: **#150133 200 East 135th Street. Bronx NY.**

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

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

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

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

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

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
15F0579-01	SV-1	Soil Vapor	06/16/2015	06/16/2015
15F0579-02	SV-2	Soil Vapor	06/16/2015	06/16/2015
15F0579-03	SV-3	Soil Vapor	06/16/2015	06/16/2015
15F0579-04	SV-4	Soil Vapor	06/16/2015	06/16/2015
15F0579-06	OA-1	Outdoor Ambient Ai	06/16/2015	06/16/2015

General Notes for York Project (SDG) No.: 15F0579

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

Approved By:



Benjamin Gulizia
Laboratory Director

Date: 06/18/2015





Sample Information

Client Sample ID: SV-1

York Sample ID: 15F0579-01

York Project (SDG) No.
15F0579

Client Project ID
#150133 200 East 135th Street. Bronx NY

Matrix
Soil Vapor

Collection Date/Time
June 16, 2015 3:00 pm

Date Received
06/16/2015

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	7.4	15	21.45	EPA TO-15 Certifications:	06/17/2015 18:13	06/18/2015 00:19	ALD
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	12	12	21.45	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 00:19	ALD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	15	15	21.45	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 00:19	ALD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	16	16	21.45	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 00:19	ALD
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	12	12	21.45	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 00:19	ALD
75-34-3	1,1-Dichloroethane	ND		ug/m ³	8.7	8.7	21.45	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 00:19	ALD
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	8.5	8.5	21.45	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 00:19	ALD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	16	16	21.45	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 00:19	ALD
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m ³	11	11	21.45	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 00:19	ALD
106-93-4	1,2-Dibromoethane	ND		ug/m ³	16	16	21.45	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 00:19	ALD
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	13	13	21.45	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 00:19	ALD
107-06-2	1,2-Dichloroethane	ND		ug/m ³	8.7	8.7	21.45	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 00:19	ALD
78-87-5	1,2-Dichloropropane	ND		ug/m ³	9.9	9.9	21.45	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 00:19	ALD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	15	15	21.45	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 00:19	ALD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	11	11	21.45	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 00:19	ALD
106-99-0	1,3-Butadiene	ND		ug/m ³	9.3	9.3	21.45	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 00:19	ALD
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	13	13	21.45	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 00:19	ALD
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	9.9	9.9	21.45	EPA TO-15 Certifications:	06/17/2015 18:13	06/18/2015 00:19	ALD
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	13	13	21.45	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 00:19	ALD
123-91-1	1,4-Dioxane	ND		ug/m ³	7.7	7.7	21.45	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 00:19	ALD
78-93-3	2-Butanone	ND		ug/m ³	6.3	6.3	21.45	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 00:19	ALD
591-78-6	* 2-Hexanone	ND		ug/m ³	18	18	21.45	EPA TO-15 Certifications:	06/17/2015 18:13	06/18/2015 00:19	ALD
107-05-1	* 3-Chloropropene	ND		ug/m ³	6.7	6.7	21.45	EPA TO-15 Certifications:	06/17/2015 18:13	06/18/2015 00:19	ALD



Sample Information

Client Sample ID: SV-1

York Sample ID: 15F0579-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0579

#150133 200 East 135th Street. Bronx NY

Soil Vapor

June 16, 2015 3:00 pm

06/16/2015

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	8.8	8.8	21.45	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 00:19	ALD
67-64-1	Acetone	ND		ug/m ³	5.1	5.1	21.45	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 00:19	ALD
107-13-1	* Acrylonitrile	ND		ug/m ³	4.7	4.7	21.45	EPA TO-15 Certifications:	06/17/2015 18:13	06/18/2015 00:19	ALD
71-43-2	Benzene	ND		ug/m ³	6.9	6.9	21.45	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 00:19	ALD
100-44-7	Benzyl chloride	ND		ug/m ³	11	11	21.45	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 00:19	ALD
75-27-4	Bromodichloromethane	ND		ug/m ³	13	13	21.45	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 00:19	ALD
75-25-2	Bromoform	ND		ug/m ³	22	22	21.45	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 00:19	ALD
74-83-9	Bromomethane	ND		ug/m ³	8.3	8.3	21.45	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 00:19	ALD
75-15-0	Carbon disulfide	13		ug/m ³	6.7	6.7	21.45	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 00:19	ALD
56-23-5	Carbon tetrachloride	ND		ug/m ³	3.4	3.4	21.45	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 00:19	ALD
108-90-7	Chlorobenzene	ND		ug/m ³	9.9	9.9	21.45	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 00:19	ALD
75-00-3	Chloroethane	ND		ug/m ³	5.7	5.7	21.45	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 00:19	ALD
67-66-3	Chloroform	ND		ug/m ³	10	10	21.45	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 00:19	ALD
74-87-3	Chloromethane	ND		ug/m ³	4.4	4.4	21.45	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 00:19	ALD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	8.5	8.5	21.45	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 00:19	ALD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	9.7	9.7	21.45	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 00:19	ALD
110-82-7	Cyclohexane	8.9		ug/m ³	7.4	7.4	21.45	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 00:19	ALD
124-48-1	Dibromochloromethane	ND		ug/m ³	17	17	21.45	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 00:19	ALD
75-71-8	Dichlorodifluoromethane	22		ug/m ³	11	11	21.45	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 00:19	ALD
141-78-6	* Ethyl acetate	ND		ug/m ³	15	15	21.45	EPA TO-15 Certifications:	06/17/2015 18:13	06/18/2015 00:19	ALD
100-41-4	Ethyl Benzene	ND		ug/m ³	9.3	9.3	21.45	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 00:19	ALD
87-68-3	Hexachlorobutadiene	ND		ug/m ³	23	23	21.45	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 00:19	ALD
67-63-0	Isopropanol	ND		ug/m ³	11	11	21.45	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 00:19	ALD



Sample Information

Client Sample ID: SV-1

York Sample ID: 15F0579-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0579

#150133 200 East 135th Street. Bronx NY

Soil Vapor

June 16, 2015 3:00 pm

06/16/2015

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
80-62-6	Methyl Methacrylate	ND		ug/m ³	8.8	8.8	21.45	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 00:19	ALD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	7.7	7.7	21.45	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 00:19	ALD
75-09-2	Methylene chloride	ND		ug/m ³	15	15	21.45	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 00:19	ALD
142-82-5	n-Heptane	23		ug/m ³	8.8	8.8	21.45	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 00:19	ALD
110-54-3	n-Hexane	60		ug/m ³	7.6	7.6	21.45	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 00:19	ALD
95-47-6	o-Xylene	ND		ug/m ³	9.3	9.3	21.45	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 00:19	ALD
179601-23-1	p- & m- Xylenes	ND		ug/m ³	19	19	21.45	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 00:19	ALD
622-96-8	* p-Ethyltoluene	ND		ug/m ³	11	11	21.45	EPA TO-15 Certifications:	06/17/2015 18:13	06/18/2015 00:19	ALD
115-07-1	* Propylene	ND		ug/m ³	3.7	3.7	21.45	EPA TO-15 Certifications:	06/17/2015 18:13	06/18/2015 00:19	ALD
100-42-5	Styrene	ND		ug/m ³	9.1	9.1	21.45	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 00:19	ALD
127-18-4	Tetrachloroethylene	ND		ug/m ³	3.6	3.6	21.45	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 00:19	ALD
109-99-9	* Tetrahydrofuran	ND		ug/m ³	6.3	6.3	21.45	EPA TO-15 Certifications:	06/17/2015 18:13	06/18/2015 00:19	ALD
108-88-3	Toluene	ND		ug/m ³	8.1	8.1	21.45	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 00:19	ALD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	8.5	8.5	21.45	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 00:19	ALD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	9.7	9.7	21.45	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 00:19	ALD
79-01-6	Trichloroethylene	ND		ug/m ³	2.9	2.9	21.45	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 00:19	ALD
75-69-4	Trichlorofluoromethane (Freon 11)	36		ug/m ³	12	12	21.45	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 00:19	ALD
108-05-4	Vinyl acetate	ND		ug/m ³	7.6	7.6	21.45	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 00:19	ALD
593-60-2	Vinyl bromide	ND		ug/m ³	9.4	9.4	21.45	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 00:19	ALD
75-01-4	Vinyl Chloride	ND		ug/m ³	1.4	1.4	21.45	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 00:19	ALD
	Surrogate Recoveries	Result			Acceptance Range						
460-00-4	Surrogate: p-Bromofluorobenzene	90.5 %			72-118						



Sample Information

Client Sample ID: SV-2

York Sample ID: 15F0579-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0579

#150133 200 East 135th Street. Bronx NY

Soil Vapor

June 16, 2015 3:00 pm

06/16/2015

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	5.9	12	17.08	EPA TO-15 Certifications:	06/17/2015 18:13	06/18/2015 01:08	ALD
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	9.3	9.3	17.08	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:08	ALD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	12	12	17.08	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:08	ALD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	13	13	17.08	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:08	ALD
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	9.3	9.3	17.08	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:08	ALD
75-34-3	1,1-Dichloroethane	ND		ug/m ³	6.9	6.9	17.08	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:08	ALD
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	6.8	6.8	17.08	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:08	ALD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	13	13	17.08	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:08	ALD
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m ³	8.4	8.4	17.08	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:08	ALD
106-93-4	1,2-Dibromoethane	ND		ug/m ³	13	13	17.08	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:08	ALD
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	10	10	17.08	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:08	ALD
107-06-2	1,2-Dichloroethane	ND		ug/m ³	6.9	6.9	17.08	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:08	ALD
78-87-5	1,2-Dichloropropane	ND		ug/m ³	7.9	7.9	17.08	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:08	ALD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	12	12	17.08	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:08	ALD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	8.4	8.4	17.08	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:08	ALD
106-99-0	1,3-Butadiene	ND		ug/m ³	7.4	7.4	17.08	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:08	ALD
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	10	10	17.08	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:08	ALD
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	7.9	7.9	17.08	EPA TO-15 Certifications:	06/17/2015 18:13	06/18/2015 01:08	ALD
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	10	10	17.08	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:08	ALD
123-91-1	1,4-Dioxane	ND		ug/m ³	6.2	6.2	17.08	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:08	ALD
78-93-3	2-Butanone	ND		ug/m ³	5.0	5.0	17.08	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:08	ALD
591-78-6	* 2-Hexanone	ND		ug/m ³	14	14	17.08	EPA TO-15 Certifications:	06/17/2015 18:13	06/18/2015 01:08	ALD
107-05-1	* 3-Chloropropene	ND		ug/m ³	5.3	5.3	17.08	EPA TO-15 Certifications:	06/17/2015 18:13	06/18/2015 01:08	ALD
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	7.0	7.0	17.08	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:08	ALD



Sample Information

Client Sample ID: SV-2

York Sample ID: 15F0579-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0579

#150133 200 East 135th Street. Bronx NY

Soil Vapor

June 16, 2015 3:00 pm

06/16/2015

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	23		ug/m ³	4.1	4.1	17.08	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:08	ALD
107-13-1	* Acrylonitrile	ND		ug/m ³	3.7	3.7	17.08	EPA TO-15 Certifications:	06/17/2015 18:13	06/18/2015 01:08	ALD
71-43-2	Benzene	ND		ug/m ³	5.5	5.5	17.08	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:08	ALD
100-44-7	Benzyl chloride	ND		ug/m ³	8.8	8.8	17.08	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:08	ALD
75-27-4	Bromodichloromethane	ND		ug/m ³	11	11	17.08	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:08	ALD
75-25-2	Bromoform	ND		ug/m ³	18	18	17.08	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:08	ALD
74-83-9	Bromomethane	ND		ug/m ³	6.6	6.6	17.08	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:08	ALD
75-15-0	Carbon disulfide	ND		ug/m ³	5.3	5.3	17.08	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:08	ALD
56-23-5	Carbon tetrachloride	ND		ug/m ³	2.7	2.7	17.08	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:08	ALD
108-90-7	Chlorobenzene	ND		ug/m ³	7.9	7.9	17.08	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:08	ALD
75-00-3	Chloroethane	ND		ug/m ³	4.5	4.5	17.08	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:08	ALD
67-66-3	Chloroform	ND		ug/m ³	8.3	8.3	17.08	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:08	ALD
74-87-3	Chloromethane	ND		ug/m ³	3.5	3.5	17.08	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:08	ALD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	6.8	6.8	17.08	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:08	ALD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	7.8	7.8	17.08	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:08	ALD
110-82-7	Cyclohexane	ND		ug/m ³	5.9	5.9	17.08	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:08	ALD
124-48-1	Dibromochloromethane	ND		ug/m ³	14	14	17.08	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:08	ALD
75-71-8	Dichlorodifluoromethane	ND		ug/m ³	8.4	8.4	17.08	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:08	ALD
141-78-6	* Ethyl acetate	ND		ug/m ³	12	12	17.08	EPA TO-15 Certifications:	06/17/2015 18:13	06/18/2015 01:08	ALD
100-41-4	Ethyl Benzene	ND		ug/m ³	7.4	7.4	17.08	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:08	ALD
87-68-3	Hexachlorobutadiene	ND		ug/m ³	18	18	17.08	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:08	ALD
67-63-0	Isopropanol	ND		ug/m ³	8.4	8.4	17.08	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:08	ALD
80-62-6	Methyl Methacrylate	ND		ug/m ³	7.0	7.0	17.08	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:08	ALD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	6.1	6.1	17.08	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:08	ALD



Sample Information

Client Sample ID: SV-2

York Sample ID: 15F0579-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0579

#150133 200 East 135th Street. Bronx NY

Soil Vapor

June 16, 2015 3:00 pm

06/16/2015

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-09-2	Methylene chloride	ND		ug/m ³	12	12	17.08	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:08	ALD
142-82-5	n-Heptane	ND		ug/m ³	7.0	7.0	17.08	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:08	ALD
110-54-3	n-Hexane	ND		ug/m ³	6.0	6.0	17.08	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:08	ALD
95-47-6	o-Xylene	ND		ug/m ³	7.4	7.4	17.08	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:08	ALD
179601-23-1	p- & m- Xylenes	ND		ug/m ³	15	15	17.08	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:08	ALD
622-96-8	* p-Ethyltoluene	ND		ug/m ³	8.4	8.4	17.08	EPA TO-15 Certifications:	06/17/2015 18:13	06/18/2015 01:08	ALD
115-07-1	* Propylene	ND		ug/m ³	2.9	2.9	17.08	EPA TO-15 Certifications:	06/17/2015 18:13	06/18/2015 01:08	ALD
100-42-5	Styrene	ND		ug/m ³	7.3	7.3	17.08	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:08	ALD
127-18-4	Tetrachloroethylene	13		ug/m ³	2.9	2.9	17.08	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:08	ALD
109-99-9	* Tetrahydrofuran	ND		ug/m ³	5.0	5.0	17.08	EPA TO-15 Certifications:	06/17/2015 18:13	06/18/2015 01:08	ALD
108-88-3	Toluene	ND		ug/m ³	6.4	6.4	17.08	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:08	ALD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	6.8	6.8	17.08	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:08	ALD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	7.8	7.8	17.08	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:08	ALD
79-01-6	Trichloroethylene	ND		ug/m ³	2.3	2.3	17.08	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:08	ALD
75-69-4	Trichlorofluoromethane (Freon 11)	36		ug/m ³	9.6	9.6	17.08	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:08	ALD
108-05-4	Vinyl acetate	ND		ug/m ³	6.0	6.0	17.08	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:08	ALD
593-60-2	Vinyl bromide	ND		ug/m ³	7.5	7.5	17.08	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:08	ALD
75-01-4	Vinyl Chloride	ND		ug/m ³	1.1	1.1	17.08	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:08	ALD
	Surrogate Recoveries	Result			Acceptance Range						
460-00-4	Surrogate: p-Bromofluorobenzene	90.1 %			72-118						

Sample Information

Client Sample ID: SV-3

York Sample ID: 15F0579-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0579

#150133 200 East 135th Street. Bronx NY

Soil Vapor

June 16, 2015 3:00 pm

06/16/2015



Sample Information

Client Sample ID: SV-3

York Sample ID: 15F0579-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0579

#150133 200 East 135th Street. Bronx NY

Soil Vapor

June 16, 2015 3:00 pm

06/16/2015

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	7.2	14	21	EPA TO-15 Certifications:	06/17/2015 18:13	06/18/2015 01:58	ALD
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	11	11	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:58	ALD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	14	14	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:58	ALD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	16	16	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:58	ALD
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	11	11	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:58	ALD
75-34-3	1,1-Dichloroethane	ND		ug/m ³	8.5	8.5	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:58	ALD
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	8.3	8.3	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:58	ALD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	16	16	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:58	ALD
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m ³	10	10	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:58	ALD
106-93-4	1,2-Dibromoethane	ND		ug/m ³	16	16	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:58	ALD
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	13	13	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:58	ALD
107-06-2	1,2-Dichloroethane	ND		ug/m ³	8.5	8.5	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:58	ALD
78-87-5	1,2-Dichloropropane	ND		ug/m ³	9.7	9.7	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:58	ALD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	15	15	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:58	ALD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	10	10	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:58	ALD
106-99-0	1,3-Butadiene	ND		ug/m ³	9.1	9.1	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:58	ALD
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	13	13	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:58	ALD
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	9.7	9.7	21	EPA TO-15 Certifications:	06/17/2015 18:13	06/18/2015 01:58	ALD
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	13	13	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:58	ALD
123-91-1	1,4-Dioxane	ND		ug/m ³	7.6	7.6	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:58	ALD
78-93-3	2-Butanone	ND		ug/m ³	6.2	6.2	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:58	ALD
591-78-6	* 2-Hexanone	ND		ug/m ³	17	17	21	EPA TO-15 Certifications:	06/17/2015 18:13	06/18/2015 01:58	ALD
107-05-1	* 3-Chloropropene	ND		ug/m ³	6.6	6.6	21	EPA TO-15 Certifications:	06/17/2015 18:13	06/18/2015 01:58	ALD
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	8.6	8.6	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:58	ALD



Sample Information

Client Sample ID: SV-3

York Sample ID: 15F0579-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0579

#150133 200 East 135th Street, Bronx NY

Soil Vapor

June 16, 2015 3:00 pm

06/16/2015

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	20		ug/m ³	5.0	5.0	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:58	ALD
107-13-1	* Acrylonitrile	ND		ug/m ³	4.6	4.6	21	EPA TO-15 Certifications:	06/17/2015 18:13	06/18/2015 01:58	ALD
71-43-2	Benzene	ND		ug/m ³	6.7	6.7	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:58	ALD
100-44-7	Benzyl chloride	ND		ug/m ³	11	11	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:58	ALD
75-27-4	Bromodichloromethane	ND		ug/m ³	13	13	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:58	ALD
75-25-2	Bromoform	ND		ug/m ³	22	22	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:58	ALD
74-83-9	Bromomethane	ND		ug/m ³	8.2	8.2	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:58	ALD
75-15-0	Carbon disulfide	17		ug/m ³	6.5	6.5	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:58	ALD
56-23-5	Carbon tetrachloride	ND		ug/m ³	3.3	3.3	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:58	ALD
108-90-7	Chlorobenzene	ND		ug/m ³	9.7	9.7	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:58	ALD
75-00-3	Chloroethane	ND		ug/m ³	5.5	5.5	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:58	ALD
67-66-3	Chloroform	ND		ug/m ³	10	10	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:58	ALD
74-87-3	Chloromethane	ND		ug/m ³	4.3	4.3	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:58	ALD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	8.3	8.3	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:58	ALD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	9.5	9.5	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:58	ALD
110-82-7	Cyclohexane	ND		ug/m ³	7.2	7.2	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:58	ALD
124-48-1	Dibromochloromethane	ND		ug/m ³	17	17	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:58	ALD
75-71-8	Dichlorodifluoromethane	54		ug/m ³	10	10	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:58	ALD
141-78-6	* Ethyl acetate	ND		ug/m ³	15	15	21	EPA TO-15 Certifications:	06/17/2015 18:13	06/18/2015 01:58	ALD
100-41-4	Ethyl Benzene	ND		ug/m ³	9.1	9.1	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:58	ALD
87-68-3	Hexachlorobutadiene	ND		ug/m ³	22	22	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:58	ALD
67-63-0	Isopropanol	ND		ug/m ³	10	10	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:58	ALD
80-62-6	Methyl Methacrylate	ND		ug/m ³	8.6	8.6	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:58	ALD



Sample Information

Client Sample ID: SV-3

York Sample ID: 15F0579-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0579

#150133 200 East 135th Street. Bronx NY

Soil Vapor

June 16, 2015 3:00 pm

06/16/2015

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	7.6	7.6	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:58	ALD
75-09-2	Methylene chloride	ND		ug/m ³	15	15	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:58	ALD
142-82-5	n-Heptane	ND		ug/m ³	8.6	8.6	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:58	ALD
110-54-3	n-Hexane	ND		ug/m ³	7.4	7.4	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:58	ALD
95-47-6	o-Xylene	ND		ug/m ³	9.1	9.1	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:58	ALD
179601-23-1	p- & m- Xylenes	ND		ug/m ³	18	18	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:58	ALD
622-96-8	* p-Ethyltoluene	ND		ug/m ³	10	10	21	EPA TO-15 Certifications:	06/17/2015 18:13	06/18/2015 01:58	ALD
115-07-1	* Propylene	ND		ug/m ³	3.6	3.6	21	EPA TO-15 Certifications:	06/17/2015 18:13	06/18/2015 01:58	ALD
100-42-5	Styrene	ND		ug/m ³	8.9	8.9	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:58	ALD
127-18-4	Tetrachloroethylene	19		ug/m ³	3.6	3.6	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:58	ALD
109-99-9	* Tetrahydrofuran	ND		ug/m ³	6.2	6.2	21	EPA TO-15 Certifications:	06/17/2015 18:13	06/18/2015 01:58	ALD
108-88-3	Toluene	ND		ug/m ³	7.9	7.9	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:58	ALD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	8.3	8.3	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:58	ALD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	9.5	9.5	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:58	ALD
79-01-6	Trichloroethylene	ND		ug/m ³	2.8	2.8	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:58	ALD
75-69-4	Trichlorofluoromethane (Freon 11)	34		ug/m ³	12	12	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:58	ALD
108-05-4	Vinyl acetate	ND		ug/m ³	7.4	7.4	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:58	ALD
593-60-2	Vinyl bromide	ND		ug/m ³	9.2	9.2	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:58	ALD
75-01-4	Vinyl Chloride	ND		ug/m ³	1.3	1.3	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 01:58	ALD
	Surrogate Recoveries	Result			Acceptance Range						
460-00-4	Surrogate: p-Bromofluorobenzene	90.9 %			72-118						



Sample Information

Client Sample ID: SV-4

York Sample ID: 15F0579-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0579

#150133 200 East 135th Street. Bronx NY

Soil Vapor

June 16, 2015 3:00 pm

06/16/2015

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	7.2	14	21	EPA TO-15 Certifications:	06/17/2015 18:13	06/18/2015 02:47	ALD
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	11	11	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 02:47	ALD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	14	14	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 02:47	ALD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	16	16	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 02:47	ALD
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	11	11	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 02:47	ALD
75-34-3	1,1-Dichloroethane	ND		ug/m ³	8.5	8.5	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 02:47	ALD
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	8.3	8.3	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 02:47	ALD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	16	16	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 02:47	ALD
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m ³	10	10	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 02:47	ALD
106-93-4	1,2-Dibromoethane	ND		ug/m ³	16	16	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 02:47	ALD
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	13	13	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 02:47	ALD
107-06-2	1,2-Dichloroethane	ND		ug/m ³	8.5	8.5	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 02:47	ALD
78-87-5	1,2-Dichloropropane	ND		ug/m ³	9.7	9.7	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 02:47	ALD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	15	15	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 02:47	ALD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	10	10	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 02:47	ALD
106-99-0	1,3-Butadiene	ND		ug/m ³	9.1	9.1	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 02:47	ALD
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	13	13	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 02:47	ALD
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	9.7	9.7	21	EPA TO-15 Certifications:	06/17/2015 18:13	06/18/2015 02:47	ALD
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	13	13	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 02:47	ALD
123-91-1	1,4-Dioxane	ND		ug/m ³	7.6	7.6	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 02:47	ALD
78-93-3	2-Butanone	ND		ug/m ³	6.2	6.2	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 02:47	ALD
591-78-6	* 2-Hexanone	ND		ug/m ³	17	17	21	EPA TO-15 Certifications:	06/17/2015 18:13	06/18/2015 02:47	ALD
107-05-1	* 3-Chloropropene	ND		ug/m ³	6.6	6.6	21	EPA TO-15 Certifications:	06/17/2015 18:13	06/18/2015 02:47	ALD
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	8.6	8.6	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 02:47	ALD



Sample Information

Client Sample ID: SV-4

York Sample ID: 15F0579-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0579

#150133 200 East 135th Street. Bronx NY

Soil Vapor

June 16, 2015 3:00 pm

06/16/2015

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	13		ug/m ³	5.0	5.0	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 02:47	ALD
107-13-1	* Acrylonitrile	ND		ug/m ³	4.6	4.6	21	EPA TO-15 Certifications:	06/17/2015 18:13	06/18/2015 02:47	ALD
71-43-2	Benzene	ND		ug/m ³	6.7	6.7	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 02:47	ALD
100-44-7	Benzyl chloride	ND		ug/m ³	11	11	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 02:47	ALD
75-27-4	Bromodichloromethane	ND		ug/m ³	13	13	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 02:47	ALD
75-25-2	Bromoform	ND		ug/m ³	22	22	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 02:47	ALD
74-83-9	Bromomethane	ND		ug/m ³	8.2	8.2	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 02:47	ALD
75-15-0	Carbon disulfide	ND		ug/m ³	6.5	6.5	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 02:47	ALD
56-23-5	Carbon tetrachloride	ND		ug/m ³	3.3	3.3	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 02:47	ALD
108-90-7	Chlorobenzene	ND		ug/m ³	9.7	9.7	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 02:47	ALD
75-00-3	Chloroethane	ND		ug/m ³	5.5	5.5	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 02:47	ALD
67-66-3	Chloroform	ND		ug/m ³	10	10	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 02:47	ALD
74-87-3	Chloromethane	ND		ug/m ³	4.3	4.3	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 02:47	ALD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	8.3	8.3	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 02:47	ALD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	9.5	9.5	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 02:47	ALD
110-82-7	Cyclohexane	ND		ug/m ³	7.2	7.2	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 02:47	ALD
124-48-1	Dibromochloromethane	ND		ug/m ³	17	17	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 02:47	ALD
75-71-8	Dichlorodifluoromethane	17		ug/m ³	10	10	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 02:47	ALD
141-78-6	* Ethyl acetate	ND		ug/m ³	15	15	21	EPA TO-15 Certifications:	06/17/2015 18:13	06/18/2015 02:47	ALD
100-41-4	Ethyl Benzene	ND		ug/m ³	9.1	9.1	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 02:47	ALD
87-68-3	Hexachlorobutadiene	ND		ug/m ³	22	22	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 02:47	ALD
67-63-0	Isopropanol	ND		ug/m ³	10	10	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 02:47	ALD
80-62-6	Methyl Methacrylate	ND		ug/m ³	8.6	8.6	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 02:47	ALD



Sample Information

Client Sample ID: SV-4

York Sample ID: 15F0579-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0579

#150133 200 East 135th Street. Bronx NY

Soil Vapor

June 16, 2015 3:00 pm

06/16/2015

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	7.6	7.6	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 02:47	ALD
75-09-2	Methylene chloride	ND		ug/m ³	15	15	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 02:47	ALD
142-82-5	n-Heptane	ND		ug/m ³	8.6	8.6	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 02:47	ALD
110-54-3	n-Hexane	ND		ug/m ³	7.4	7.4	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 02:47	ALD
95-47-6	o-Xylene	ND		ug/m ³	9.1	9.1	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 02:47	ALD
179601-23-1	p- & m- Xylenes	ND		ug/m ³	18	18	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 02:47	ALD
622-96-8	* p-Ethyltoluene	ND		ug/m ³	10	10	21	EPA TO-15 Certifications:	06/17/2015 18:13	06/18/2015 02:47	ALD
115-07-1	* Propylene	ND		ug/m ³	3.6	3.6	21	EPA TO-15 Certifications:	06/17/2015 18:13	06/18/2015 02:47	ALD
100-42-5	Styrene	ND		ug/m ³	8.9	8.9	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 02:47	ALD
127-18-4	Tetrachloroethylene	130		ug/m ³	3.6	3.6	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 02:47	ALD
109-99-9	* Tetrahydrofuran	ND		ug/m ³	6.2	6.2	21	EPA TO-15 Certifications:	06/17/2015 18:13	06/18/2015 02:47	ALD
108-88-3	Toluene	ND		ug/m ³	7.9	7.9	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 02:47	ALD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	8.3	8.3	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 02:47	ALD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	9.5	9.5	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 02:47	ALD
79-01-6	Trichloroethylene	ND		ug/m ³	2.8	2.8	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 02:47	ALD
75-69-4	Trichlorofluoromethane (Freon 11)	15		ug/m ³	12	12	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 02:47	ALD
108-05-4	Vinyl acetate	ND		ug/m ³	7.4	7.4	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 02:47	ALD
593-60-2	Vinyl bromide	ND		ug/m ³	9.2	9.2	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 02:47	ALD
75-01-4	Vinyl Chloride	ND		ug/m ³	1.3	1.3	21	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/18/2015 02:47	ALD
	Surrogate Recoveries	Result			Acceptance Range						
460-00-4	Surrogate: p-Bromofluorobenzene	89.4 %			72-118						



Sample Information

Client Sample ID: OA-1

York Sample ID: 15F0579-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0579

#150133 200 East 135th Street. Bronx NY

Outdoor Ambient Air

June 16, 2015 3:00 pm

06/16/2015

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	0.34	0.69	1	EPA TO-15 Certifications:	06/17/2015 18:13	06/17/2015 22:28	ALD
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.55	0.55	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/17/2015 22:28	ALD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	0.69	0.69	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/17/2015 22:28	ALD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	0.77	0.77	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/17/2015 22:28	ALD
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.55	0.55	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/17/2015 22:28	ALD
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.40	0.40	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/17/2015 22:28	ALD
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.40	0.40	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/17/2015 22:28	ALD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	0.74	0.74	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/17/2015 22:28	ALD
95-63-6	1,2,4-Trimethylbenzene	3.9		ug/m ³	0.49	0.49	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/17/2015 22:28	ALD
106-93-4	1,2-Dibromoethane	ND		ug/m ³	0.77	0.77	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/17/2015 22:28	ALD
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.60	0.60	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/17/2015 22:28	ALD
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.40	0.40	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/17/2015 22:28	ALD
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.46	0.46	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/17/2015 22:28	ALD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	0.70	0.70	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/17/2015 22:28	ALD
108-67-8	1,3,5-Trimethylbenzene	1.1		ug/m ³	0.49	0.49	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/17/2015 22:28	ALD
106-99-0	1,3-Butadiene	ND		ug/m ³	0.43	0.43	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/17/2015 22:28	ALD
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.60	0.60	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/17/2015 22:28	ALD
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.46	0.46	1	EPA TO-15 Certifications:	06/17/2015 18:13	06/17/2015 22:28	ALD
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.60	0.60	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/17/2015 22:28	ALD
123-91-1	1,4-Dioxane	ND		ug/m ³	0.36	0.36	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/17/2015 22:28	ALD
78-93-3	2-Butanone	4.2		ug/m ³	0.29	0.29	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/17/2015 22:28	ALD
591-78-6	* 2-Hexanone	ND		ug/m ³	0.82	0.82	1	EPA TO-15 Certifications:	06/17/2015 18:13	06/17/2015 22:28	ALD
107-05-1	* 3-Chloropropene	ND		ug/m ³	0.31	0.31	1	EPA TO-15 Certifications:	06/17/2015 18:13	06/17/2015 22:28	ALD



Sample Information

Client Sample ID: OA-1

York Sample ID: 15F0579-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0579

#150133 200 East 135th Street. Bronx NY

Outdoor Ambient Air

June 16, 2015 3:00 pm

06/16/2015

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.41	0.41	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/17/2015 22:28	ALD
67-64-1	Acetone	41		ug/m ³	0.24	0.24	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/17/2015 22:28	ALD
107-13-1	* Acrylonitrile	ND		ug/m ³	0.22	0.22	1	EPA TO-15 Certifications:	06/17/2015 18:13	06/17/2015 22:28	ALD
71-43-2	Benzene	6.3		ug/m ³	0.32	0.32	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/17/2015 22:28	ALD
100-44-7	Benzyl chloride	ND		ug/m ³	0.52	0.52	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/17/2015 22:28	ALD
75-27-4	Bromodichloromethane	ND		ug/m ³	0.62	0.62	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/17/2015 22:28	ALD
75-25-2	Bromoform	ND		ug/m ³	1.0	1.0	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/17/2015 22:28	ALD
74-83-9	Bromomethane	ND		ug/m ³	0.39	0.39	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/17/2015 22:28	ALD
75-15-0	Carbon disulfide	ND		ug/m ³	0.31	0.31	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/17/2015 22:28	ALD
56-23-5	Carbon tetrachloride	0.50		ug/m ³	0.16	0.16	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/17/2015 22:28	ALD
108-90-7	Chlorobenzene	ND		ug/m ³	0.46	0.46	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/17/2015 22:28	ALD
75-00-3	Chloroethane	ND		ug/m ³	0.26	0.26	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/17/2015 22:28	ALD
67-66-3	Chloroform	0.54		ug/m ³	0.49	0.49	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/17/2015 22:28	ALD
74-87-3	Chloromethane	2.1		ug/m ³	0.21	0.21	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/17/2015 22:28	ALD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.40	0.40	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/17/2015 22:28	ALD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.45	0.45	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/17/2015 22:28	ALD
110-82-7	Cyclohexane	5.0		ug/m ³	0.34	0.34	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/17/2015 22:28	ALD
124-48-1	Dibromochloromethane	ND		ug/m ³	0.80	0.80	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/17/2015 22:28	ALD
75-71-8	Dichlorodifluoromethane	2.4		ug/m ³	0.49	0.49	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/17/2015 22:28	ALD
141-78-6	* Ethyl acetate	ND		ug/m ³	0.72	0.72	1	EPA TO-15 Certifications:	06/17/2015 18:13	06/17/2015 22:28	ALD
100-41-4	Ethyl Benzene	3.8		ug/m ³	0.43	0.43	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/17/2015 22:28	ALD
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.1	1.1	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/17/2015 22:28	ALD
67-63-0	Isopropanol	84		ug/m ³	0.49	0.49	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/17/2015 22:28	ALD



Sample Information

Client Sample ID: OA-1

York Sample ID: 15F0579-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15F0579

#150133 200 East 135th Street. Bronx NY

Outdoor Ambient Air

June 16, 2015 3:00 pm

06/16/2015

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.41	0.41	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/17/2015 22:28	ALD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.36	0.36	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/17/2015 22:28	ALD
75-09-2	Methylene chloride	53		ug/m ³	0.69	0.69	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/17/2015 22:28	ALD
142-82-5	n-Heptane	7.7		ug/m ³	0.41	0.41	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/17/2015 22:28	ALD
110-54-3	n-Hexane	34		ug/m ³	0.35	0.35	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/17/2015 22:28	ALD
95-47-6	o-Xylene	4.8		ug/m ³	0.43	0.43	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/17/2015 22:28	ALD
179601-23-1	p- & m- Xylenes	15		ug/m ³	0.87	0.87	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/17/2015 22:28	ALD
622-96-8	* p-Ethyltoluene	3.5		ug/m ³	0.49	0.49	1	EPA TO-15 Certifications:	06/17/2015 18:13	06/17/2015 22:28	ALD
115-07-1	* Propylene	ND		ug/m ³	0.17	0.17	1	EPA TO-15 Certifications:	06/17/2015 18:13	06/17/2015 22:28	ALD
100-42-5	Styrene	ND		ug/m ³	0.43	0.43	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/17/2015 22:28	ALD
127-18-4	Tetrachloroethylene	240		ug/m ³	0.17	0.17	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/17/2015 22:28	ALD
109-99-9	* Tetrahydrofuran	ND		ug/m ³	0.29	0.29	1	EPA TO-15 Certifications:	06/17/2015 18:13	06/17/2015 22:28	ALD
108-88-3	Toluene	32		ug/m ³	0.38	0.38	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/17/2015 22:28	ALD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.40	0.40	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/17/2015 22:28	ALD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.45	0.45	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/17/2015 22:28	ALD
79-01-6	Trichloroethylene	0.32		ug/m ³	0.13	0.13	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/17/2015 22:28	ALD
75-69-4	Trichlorofluoromethane (Freon 11)	11		ug/m ³	0.56	0.56	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/17/2015 22:28	ALD
108-05-4	Vinyl acetate	ND		ug/m ³	0.35	0.35	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/17/2015 22:28	ALD
593-60-2	Vinyl bromide	ND		ug/m ³	0.44	0.44	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/17/2015 22:28	ALD
75-01-4	Vinyl Chloride	ND		ug/m ³	0.064	0.064	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/17/2015 18:13	06/17/2015 22:28	ALD
	Surrogate Recoveries	Result			Acceptance Range						
460-00-4	Surrogate: p-Bromofluorobenzene	91.1 %			72-118						



Analytical Batch Summary

Batch ID: BF50867

Preparation Method: EPA TO15 PREP

Prepared By: ALD

YORK Sample ID	Client Sample ID	Preparation Date
15F0579-01	SV-1	06/17/15
15F0579-02	SV-2	06/17/15
15F0579-03	SV-3	06/17/15
15F0579-04	SV-4	06/17/15
15F0579-06	OA-1	06/17/15
BF50867-BLK1	Blank	06/17/15
BF50867-BS1	LCS	06/17/15
BF50867-DUP1	Duplicate	06/17/15



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BF50867 - EPA TO15 PREP

Blank (BF50867-BLK1)

Prepared & Analyzed: 06/17/2015

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	0.40	"								
1,2,4-Trichlorobenzene	ND	0.74	"								
1,2,4-Trimethylbenzene	ND	0.49	"								
1,2-Dibromoethane	ND	0.77	"								
1,2-Dichlorobenzene	ND	0.60	"								
1,2-Dichloroethane	ND	0.40	"								
1,2-Dichloropropane	ND	0.46	"								
1,2-Dichlorotetrafluoroethane	ND	0.70	"								
1,3,5-Trimethylbenzene	ND	0.49	"								
1,3-Butadiene	ND	0.43	"								
1,3-Dichlorobenzene	ND	0.60	"								
1,3-Dichloropropane	ND	0.46	"								
1,4-Dichlorobenzene	ND	0.60	"								
1,4-Dioxane	ND	0.36	"								
2-Butanone	ND	0.29	"								
2-Hexanone	ND	0.82	"								
3-Chloropropene	ND	0.31	"								
4-Methyl-2-pentanone	ND	0.41	"								
Acetone	ND	0.24	"								
Acrylonitrile	ND	0.22	"								
Benzene	ND	0.32	"								
Benzyl chloride	ND	0.52	"								
Bromodichloromethane	ND	0.62	"								
Bromoform	ND	1.0	"								
Bromomethane	ND	0.39	"								
Carbon disulfide	ND	0.31	"								
Carbon tetrachloride	ND	0.16	"								
Chlorobenzene	ND	0.46	"								
Chloroethane	ND	0.26	"								
Chloroform	ND	0.49	"								
Chloromethane	ND	0.21	"								
cis-1,2-Dichloroethylene	ND	0.40	"								
cis-1,3-Dichloropropylene	ND	0.45	"								
Cyclohexane	ND	0.34	"								
Dibromochloromethane	ND	0.80	"								
Dichlorodifluoromethane	ND	0.49	"								
Ethyl acetate	ND	0.72	"								
Ethyl Benzene	ND	0.43	"								
Hexachlorobutadiene	ND	1.1	"								
Isopropanol	ND	0.49	"								
Methyl Methacrylate	ND	0.41	"								
Methyl tert-butyl ether (MTBE)	ND	0.36	"								
Methylene chloride	ND	0.69	"								
n-Heptane	ND	0.41	"								
n-Hexane	ND	0.35	"								



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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BF50867 - EPA TO15 PREP

Blank (BF50867-BLK1)

Prepared & Analyzed: 06/17/2015

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	0.29	"								
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	9.28		ppbv	10.4		89.2	72-118				
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LCS (BF50867-BS1)

Prepared & Analyzed: 06/17/2015

1,1,1,2-Tetrachloroethane	8.63		ppbv	10.5		82.2	82-126				
1,1,1-Trichloroethane	8.18		"	10.2		80.2	70-130				
1,1,2,2-Tetrachloroethane	7.96		"	10.3		77.3	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.23		"	10.4		79.1	70-130				
1,1,2-Trichloroethane	9.23		"	10.3		89.6	70-130				
1,1-Dichloroethane	8.34		"	10.2		81.8	70-130				
1,1-Dichloroethylene	8.31		"	10.4		79.9	70-130				
1,2,4-Trichlorobenzene	7.02		"	9.00		78.0	70-130				
1,2,4-Trimethylbenzene	8.24		"	10.2		80.8	70-130				
1,2-Dibromoethane	9.21		"	10.4		88.6	70-130				
1,2-Dichlorobenzene	8.95		"	10.1		88.6	70-130				
1,2-Dichloroethane	8.28		"	10.2		81.2	70-130				
1,2-Dichloropropane	8.96		"	10.2		87.8	70-130				
1,2-Dichlorotetrafluoroethane	9.76		"	9.80		99.6	70-130				
1,3,5-Trimethylbenzene	7.89		"	10.0		78.9	70-130				
1,3-Butadiene	14.6		"	10.1		144	70-130	High Bias			
1,3-Dichlorobenzene	9.07		"	10.2		88.9	70-130				
1,3-Dichloropropane	8.89		"	10.5		84.7	70-130				
1,4-Dichlorobenzene	9.01		"	10.1		89.2	70-130				
1,4-Dioxane	8.09		"	10.2		79.3	70-130				
2-Butanone	9.25		"	10.4		88.9	70-130				
2-Hexanone	11.2		"	10.5		107	70-130				
3-Chloropropene	9.32		"	10.7		87.1	70-130				
4-Methyl-2-pentanone	10.3		"	10.2		101	70-130				
Acetone	8.87		"	10.6		83.7	70-130				
Acrylonitrile	7.43		"	10.3		72.1	70-130				
Benzene	7.73		"	10.3		75.0	70-130				
Benzyl chloride	6.54		"	10.2		64.1	70-130	Low Bias			
Bromodichloromethane	9.24		"	10.2		90.6	70-130				
Bromoform	9.04		"	10.1		89.5	70-130				
Bromomethane	7.22		"	9.50		76.0	70-130				
Carbon disulfide	8.47		"	10.5		80.7	70-130				
Carbon tetrachloride	8.50		"	10.2		83.3	70-130				
Chlorobenzene	7.87		"	10.5		75.0	70-130				



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

York Analytical Laboratories, Inc.

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

Batch BF50867 - EPA TO15 PREP

LCS (BF50867-BS1)

Prepared & Analyzed: 06/17/2015

Chloroethane	7.22		ppbv	9.40		76.8	70-130				
Chloroform	7.73		"	10.4		74.3	70-130				
Chloromethane	12.1		"	9.80		124	70-130				
cis-1,2-Dichloroethylene	8.28		"	10.2		81.2	70-130				
cis-1,3-Dichloropropylene	9.15		"	11.0		83.2	70-130				
Cyclohexane	8.13		"	10.3		78.9	70-130				
Dibromochloromethane	10.3		"	10.6		97.0	70-130				
Dichlorodifluoromethane	9.55		"	9.80		97.4	70-130				
Ethyl acetate	9.38		"	10.4		90.2	70-130				
Ethyl Benzene	7.76		"	10.4		74.6	70-130				
Hexachlorobutadiene	7.98		"	9.10		87.7	70-130				
Isopropanol	7.69		"	10.0		76.9	70-130				
Methyl Methacrylate	8.84		"	9.80		90.2	70-130				
Methyl tert-butyl ether (MTBE)	7.47		"	10.3		72.5	70-130				
Methylene chloride	9.05		"	10.4		87.0	70-130				
n-Heptane	9.58		"	10.5		91.2	70-130				
n-Hexane	8.50		"	10.5		81.0	70-130				
o-Xylene	8.29		"	10.3		80.5	70-130				
p- & m- Xylenes	16.7		"	20.2		82.8	70-130				
p-Ethyltoluene	7.98		"	10.0		79.8	70-130				
Propylene	9.78		"	10.6		92.3	70-130				
Styrene	8.11		"	10.2		79.5	70-130				
Tetrachloroethylene	9.25		"	9.90		93.4	70-130				
Tetrahydrofuran	9.37		"	10.6		88.4	70-130				
Toluene	9.04		"	10.5		86.1	70-130				
trans-1,2-Dichloroethylene	8.09		"	10.1		80.1	70-130				
trans-1,3-Dichloropropylene	8.65		"	10.3		84.0	70-130				
Trichloroethylene	8.80		"	10.2		86.3	70-130				
Trichlorofluoromethane (Freon 11)	8.28		"	9.90		83.6	70-130				
Vinyl acetate	9.96		"	10.7		93.1	70-130				
Vinyl bromide	7.82		"	10.5		74.5	70-130				
Vinyl Chloride	14.2		"	9.90		143	70-130		High Bias		
Surrogate: p-Bromofluorobenzene	9.10		"	10.4		87.5	72-118				



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 BF50867 - EPA TO15 PREP											
Duplicate (BF50867-DUP1)		*Source sample: 15F0579-06 (OA-1)				Prepared & Analyzed: 06/17/2015					
1,1,1,2-Tetrachloroethane	ND	0.69	ug/m ³		ND					200	
1,1,1-Trichloroethane	ND	0.55	"		ND					25	
1,1,2,2-Tetrachloroethane	ND	0.69	"		ND					25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.77	"		ND					25	
1,1,2-Trichloroethane	ND	0.55	"		ND					25	
1,1-Dichloroethane	ND	0.40	"		ND					25	
1,1-Dichloroethylene	ND	0.40	"		ND					25	
1,2,4-Trichlorobenzene	ND	0.74	"		ND					25	
1,2,4-Trimethylbenzene	4.0	0.49	"		3.9				2.47	25	
1,2-Dibromoethane	ND	0.77	"		ND					25	
1,2-Dichlorobenzene	ND	0.60	"		ND					25	
1,2-Dichloroethane	ND	0.40	"		ND					25	
1,2-Dichloropropane	ND	0.46	"		ND					25	
1,2-Dichlorotetrafluoroethane	ND	0.70	"		ND					25	
1,3,5-Trimethylbenzene	1.1	0.49	"		1.1				0.00	25	
1,3-Butadiene	ND	0.43	"		ND					25	
1,3-Dichlorobenzene	ND	0.60	"		ND					25	
1,3-Dichloropropane	ND	0.46	"		ND					25	
1,4-Dichlorobenzene	ND	0.60	"		ND					25	
1,4-Dioxane	ND	0.36	"		ND					25	
2-Butanone	4.3	0.29	"		4.2				4.17	25	
2-Hexanone	ND	0.82	"		ND					25	
3-Chloropropene	ND	0.31	"		ND					25	
4-Methyl-2-pentanone	ND	0.41	"		ND					25	
Acetone	42	0.24	"		41				0.916	25	
Acrylonitrile	ND	0.22	"		ND					25	
Benzene	6.5	0.32	"		6.3				3.98	25	
Benzyl chloride	ND	0.52	"		ND					25	
Bromodichloromethane	ND	0.62	"		ND					25	
Bromoform	ND	1.0	"		ND					25	
Bromomethane	ND	0.39	"		ND					25	
Carbon disulfide	ND	0.31	"		ND					25	
Carbon tetrachloride	0.50	0.16	"		0.50				0.00	25	
Chlorobenzene	ND	0.46	"		ND					25	
Chloroethane	ND	0.26	"		ND					25	
Chloroform	0.54	0.49	"		0.54				0.00	25	
Chloromethane	1.9	0.21	"		2.1				9.23	25	
cis-1,2-Dichloroethylene	ND	0.40	"		ND					25	
cis-1,3-Dichloropropylene	ND	0.45	"		ND					25	
Cyclohexane	5.3	0.34	"		5.0				5.33	25	
Dibromochloromethane	ND	0.80	"		ND					25	
Dichlorodifluoromethane	2.4	0.49	"		2.4				0.00	25	
Ethyl acetate	ND	0.72	"		ND					25	
Ethyl Benzene	3.9	0.43	"		3.8				3.39	25	
Hexachlorobutadiene	ND	1.1	"		ND					25	
Isopropanol	87	0.49	"		84				3.35	25	
Methyl Methacrylate	ND	0.41	"		ND					25	
Methyl tert-butyl ether (MTBE)	ND	0.36	"		ND					25	
Methylene chloride	54	0.69	"		53				1.37	25	
n-Heptane	7.9	0.41	"		7.7				1.57	25	
n-Hexane	35	0.35	"		34				2.66	25	



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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF50867 - EPA TO15 PREP											
Duplicate (BF50867-DUP1)	*Source sample: 15F0579-06 (OA-1)						Prepared & Analyzed: 06/17/2015				
o-Xylene	5.0	0.43	ug/m ³		4.8				2.67	25	
p- & m- Xylenes	15	0.87	"		15				2.93	25	
p-Ethyltoluene	3.6	0.49	"		3.5				2.74	25	
Propylene	ND	0.17	"		ND					25	
Styrene	ND	0.43	"		ND					25	
Tetrachloroethylene	240	0.17	"		240				1.58	25	
Tetrahydrofuran	ND	0.29	"		ND					25	
Toluene	32	0.38	"		32				0.470	25	
trans-1,2-Dichloroethylene	ND	0.40	"		ND					25	
trans-1,3-Dichloropropylene	ND	0.45	"		ND					25	
Trichloroethylene	ND	0.13	"		0.32					25	
Trichlorofluoromethane (Freon 11)	11	0.56	"		11				6.65	25	
Vinyl acetate	ND	0.35	"		ND					25	
Vinyl bromide	ND	0.44	"		ND					25	
Vinyl Chloride	ND	0.064	"		ND					25	
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.51</i>		<i>ppbv</i>	<i>10.4</i>		<i>91.4</i>	<i>72-118</i>				



Notes and Definitions

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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



Field Chain-of-Custody Record - AIR

NOTE: York's Std. Terms & Conditions are listed on the back side of this document. This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions unless superseded by written contract.

York Project No. 15FOS99

YOUR INFORMATION Company: <u>Hydro Tech Environmental</u> Address: <u>15 Ocean Ave, 2nd floor</u> <u>Brooklyn, NY 11225</u> Phone No.: <u>(718) 636-0600</u> Contact Person: <u>Morgan Violette</u> E-Mail Address: <u>mviolette@hydrotech.com</u>	Report To: Company: _____ Address: _____ Phone No.: _____ Attention: _____ E-Mail Address: _____	Invoice To: Company: <u>Hydro Tech Environmental</u> Address: <u>27 Avoca Blvd.</u> <u>Wine G. Haurvaig, NY 11788</u> Phone No.: <u>(631) 462-5866</u> Attention: <u>Mushima Ward</u> E-Mail Address: <u>Mward@hydrotech.com</u>	YOUR PROJECT ID <u># 150133</u> <u>200 East 135th Street</u> <u>Brox, NY</u> Purchase Order No.: <u>5880</u> Samples from: CT <u>X</u> NY <u>X</u> NJ <u> </u>	Turn-Around Time RUSH - Same Day <input type="checkbox"/> RUSH - Next Day <input type="checkbox"/> RUSH - Two Day <input type="checkbox"/> RUSH - Three Day <input type="checkbox"/> RUSH - Four Day <input checked="" type="checkbox"/> Standard (5-7 Days) <input type="checkbox"/>	Report Type/Deliverables Summary Report <input checked="" type="checkbox"/> Summary w/ QA summary <input checked="" type="checkbox"/> CT RCP Package <input type="checkbox"/> NY ASP A Package <input type="checkbox"/> NY ASP B/CLP Pkg <input type="checkbox"/> NJDEP Reduced <input type="checkbox"/> <i>Electronic Deliverables</i> EDD (Specify Type) <input checked="" type="checkbox"/> Standard Excel <input checked="" type="checkbox"/> Regulatory Comparison Excel <input type="checkbox"/>
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Additional Notes:
Print Clearly and Legibly. All information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

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

Adriana Zapata - A.
Samples Collected/Authorized By (Signature)
Adriana Zapata
Name (printed)

Detection Limits Required
≤ 1 ug/m³
NYSDEC VI Limits
(10 = per standard)
NJDEP low level
Routine Survey
Other

Special Instructions
NYSDEC EQUIS

Please enter the following Field Data

Sample Identification	Date Sampled	AIR Matrix	Canister Vacuum Before Sampling (in. Hg)	Canister Vacuum After Sampling (in. Hg)	Flow Cont. ID	Canister ID	ANALYSES REQUESTED	Sampling Media
SV-1	6-16/15	AS					EPA TO-15	6 Liter canister <input checked="" type="checkbox"/> Tedlar Bag
SV-2	6/16/15	AS					EPA TO-15	6 Liter canister <input checked="" type="checkbox"/> Tedlar Bag
SV-3	6/16/15	AS					EPA TO-15	6 Liter canister <input checked="" type="checkbox"/> Tedlar Bag
SV-4	6/16/15	AS					EPA TO-15	6 Liter canister <input checked="" type="checkbox"/> Tedlar Bag
SV-5	6/16/15	AS					EPA TO-15	6 Liter canister <input checked="" type="checkbox"/> Tedlar Bag
OA-1	6/16/15	AO					EPA TO-15	6 Liter canister <input checked="" type="checkbox"/> Tedlar Bag
								6 Liter canister <input type="checkbox"/> Tedlar Bag
								6 Liter canister <input type="checkbox"/> Tedlar Bag
								6 Liter canister <input type="checkbox"/> Tedlar Bag
								6 Liter canister <input type="checkbox"/> Tedlar Bag
								6 Liter canister <input type="checkbox"/> Tedlar Bag

Comments
Please have results in 4 days per Hydro Tech agreement E-Designation.

Adriana Zapata 06-16-15
Samples Relinquished By Date/Time

Hub Cowan 6/16/15 2:45
Samples Received By Date/Time

_____ 6-16-15 17:55
Samples Received in LAB by Date/Time

Field Chain-of-Custody Record - AIR

NOTE: York's Std. Terms & Conditions are listed on the back side of this document. This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions unless superseded by written contract.

York Project No. 15F0579

YOUR Information Company: Hydro Tech Environmental, Corp. Address: 15 Ocean Avenue, 2nd Floor, Brooklyn, NY 11225 Phone No. (718) 656-0800 Contact Person: Morgan Violette E-Mail Address: mvinlette@htecorp.info		Report To: Company: SAME Address: _____ Phone No. _____ Attention: _____ E-Mail Address: _____		Invoice To: Company: Hydro Tech Environmental, Corp. Address: 200 East 135th Street, Bronx, NY Purchase Order No. 5880 Samples From: CT NY X NJ		YOUR Project ID: #150133 200 East 135th Street, Bronx, NY Purchase Order No. 5880 Samples From: CT NY X NJ		Turn-Around Time RUSH - Same Day <input type="checkbox"/> RUSH - Next Day <input type="checkbox"/> RUSH - Two Day <input type="checkbox"/> RUSH - Three Day <input type="checkbox"/> RUSH - Four Day <input checked="" type="checkbox"/> Standard (5-7 Days) <input type="checkbox"/>		Report Type/Deliverables Summary Report _____ Summary w/ QA Summary <input checked="" type="checkbox"/> CT RCP Package _____ NY ASPA Package _____ NY ASP BCLP Pkg _____ NJ DEP Reduced _____ Electronic Deliverables _____ EDD (Specify Type) _____ Standard Excel _____ Regulatory Comparison Excel _____	
Name (printed) _____		Air Matrix Codes AI- INDOOR Ambient Air AO- OUTDOOR Amb. Air AE- Vapor Extraction Well/ Process Gas/Effluent AS- SOIL Vapor/Sub-Slab		TO15 Volatiles and Other Gas Analyses EPA TO-15 List NYSDEC VI list Tentatively Identified Compounds Air VPH Helium Methane OTHER		Detection Limits Required ≤ 1 ug/m ³ NYSDEC VI Limits NJ DEP low level Routine Survey Other		Special Instructions NYSDEC 80115			
Samples Collected/Authorized By (Signature) _____		Carister Vacuum Before Sampling (in. Hg) After Sampling (in. Hg)		Carister Vacuum		Choose Analyses Needed from the Menu Above and Enter Below		Sampling Media			
SV-1	6/16/15	AS	AS	EPA TO-15	6 Liter Summa canister	Tedlar Bag			6 Liter Summa canister		
SV-2	6/16/15	AS	AS	EPA TO-15	6 Liter Summa canister	Tedlar Bag			6 Liter Summa canister		
SV-3	6/16/15	AS	AS	EPA TO-15	6 Liter Summa canister	Tedlar Bag			6 Liter Summa canister		
SV-4	6/16/15	AS	AS	EPA TO-15	6 Liter Summa canister	Tedlar Bag			6 Liter Summa canister		
SV-5	6/16/15	AS	AS	EPA TO-15	6 Liter Summa canister	Tedlar Bag			6 Liter Summa canister		
QA-1	6/16/15	AO	AO	EPA TO-15	6 Liter Summa canister	Tedlar Bag			6 Liter Summa canister		
Comments Please have results in 4 days per Hydro Tech agreement E-Designation		Samples Relinquished By _____ Date/Time _____ Samples Relinquished By _____ Date/Time _____		Samples Received By _____ Date/Time _____ P. Joyce 6-16-15 1755		Samples Received in LAB by _____ Date/Time _____					