

PARK AVENUE APARTMENTS

BRONX, NEW YORK

Remedial Investigation Report

NYC VCP Site Number: 15CVCP049X

Prepared for:

Trinity Financial

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November 2014

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, Christopher Brown, 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 Park Avenue Apartments Site , (NYC VCP Site No. site number). 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.

Christopher Brown

October 31, 2014



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 3160 Park Avenue in the Melrose section of the Bronx, New York and is identified as Block 2419 and Lots 28, 30 and 36 on the New York City Tax Map. Figure 1 shows the Site location. The Site is 24,928.1-square feet and is bounded by East 161st Street to the north, East 160th Street to the south, Courtlandt Avenue to the east, and Park Avenue to the west. A map of the site boundary is shown in Figure 2. Currently, the Site is vacant and contains no buildings or other pertinent Site features.

Summary of Proposed Redevelopment Plan

The proposed future use of the Site will include a building with mixed commercial and residential use. A cellar incorporating 38 parking spaces has been proposed for future development; the square footage of the parking area has not been finalized, but is expected to be approximately 15,000 square feet. The footprint of the proposed building will encompass 24,855.91 square feet of the 24,928.1 square-foot block. Excavation depths are estimated to range from 3-18 feet below grade surface (bgs) given the varying surface elevation of the lot across the block. The deepest excavation will be concentrated along the northwestern edge of the property, along Park Avenue, where the surface elevation is highest. Shallower excavation will take place along the southern extents of the property where the surface elevation is lowest. The first floor of the proposed development includes commercial (21,442.09 square feet) and residential (3,413.82 square feet) spaces. Floors 2 through 11 consist of 160,503.89 square feet of residential space for a total of 185,359.80 square feet of development. Layout of the proposed site development is presented in Figure 4. The current zoning designation is R8 for residential use. The proposed use is consistent with existing zoning for the property.

Summary of Past Uses of Site and Areas of Concern

A Phase I ESA was prepared by Conrad Geoscience Corp, dated August 28, 2006 (Appendix A). Summarized below are the findings of this evaluation.

Property Ownership

The subject property is currently owned by 3160 Park Ave LLC. Property ownership history was researched through the NYC.gov planning department website. Previous property owners and the approximate date of purchase are listed below:

Owner/Tenant	Approximate Date of Purchase
T & L Realty Corp.	Unknown
3160 Park Ave LLC	3/4/1999

Sanborn Fire Insurance Maps

Sanborn Fire Insurance maps from 1891, 1909, 1951, 1969, 1970, 1977, 1978, 1979, 1980, 1981, 1984, 1989, 1991, 1992, 1993, 1995, and 1996 were provided in the EDR report associated with the Phase I ESA prepared for the subject property. Below is a discussion of the changes to the subject property and pertinent changes in surrounding properties:

1891- The subject property contains several un-labeled buildings.

1909- Small stores and residences are located on the subject property, including a “steam laundry” service.

1951- The subject property contains a large building labeled Zapun Ceramics Inc. in the southern section. The northeastern section of the subject property contains a two-story building with “Express Depot” on one level and furniture storage on the other level. Stores and residences occupy other sections of the subject property. The adjacent block to the south is an auto repair facility near the intersection of Park Avenue and East 160th Street. The adjacent block to the east contains a gasoline filling station.

1969- The ceramics building on the subject property is labeled as a garage. An auto repair facility is located on the northeastern section of the subject property. Stores, residences, and storage buildings are also located on other lots of the subject

property. The adjacent auto repair facility is still located to the south. A different filling station is located in the adjacent block to the east

1970- The subject property only contains one large building in the southern section (the garage). The rest of the property is vacant. The adjacent auto repair facility and filling station are still present.

1977- The garage building is still located in the southern section of the subject property in addition to the auto repair facility in the northeastern section. The rest of the property is vacant. This is believed to be a misprint, as the 1978 map is identical to the 1970 map, where the lots are vacant. The auto repair facility is still on the adjacent southern block; the filling station is still on the adjacent eastern block.

1978-81- The garage building is the only structure on the subject property. The adjacent auto repair facility and gas station are still present.

1984- Same as the 1981 map except the garage is now labeled as a parking building and the vacant land is now a parking lot.

1989, '91-'93, '95-'96- Same as the 1984 map except the adjacent auto repair facility is no longer present.

City Directory Abstract

The city directory abstract lists telephone company records of past occupants and businesses of an address by years, and is reviewed to determine if past occupants and businesses of the subject property and adjacent properties may have led to recognized environmental conditions.

The subject property, as 3160 Park Avenue, is listed as the Village Superette and Associated Foods, Inc. (grocery stores) in the 1983, 1993, 2000, and 2005 directory. In 1983 an Espresso Café is listed at the site. Also in 2005 the subject property is listed as parking lots.

The subject property, as 3162 Park Avenue, is listed as a chinaware building in 1949. In 1956 and 1961 it was the American Bible Society. In 1971 it was Astro Carriers Inc. and in 1983 it was "Discounts."

Surrounding property listings, starting in 1927, were historically residential and commercial/retail. 3157 Park Avenue is listed as an auto repair facility and gas station in 1940. The directory lists this address as an auto repair facility in 1949, 1956, 1961, 1965 and 1971.

This address is not listed in the directory after 1971, and during a July 24, 2006 site inspection, Conrad Geoscience observed that this address is currently a residence. There are no other pertinent listings for the adjacent properties.

Areas of Concern:

Past operations on the subject property include a ceramics manufacturing facility and an automotive repair facility. The layout and configuration of the ceramics manufacturing facility is unknown. Sub-grade structures such as a basement or other manufacturing components could be present. Although we have observed no evidence that hazardous or regulated substances were spilled or discharged as a result of these operations, such spillage or discharge cannot be ruled out. Discharge of hazardous or regulated substances from such operations can affect soil and groundwater, and, therefore, such historical uses represent a recognized environmental condition. In addition, the site operated a NYC Transit Authority facility, which generated more than 11,000 pounds of lead-contaminated waste in 1999, which was reportedly disposed of off-site.

Several spills are located near the subject property that have not been closed by NYSDEC. In addition, adjacent to the subject property are two New York State DEC Brownfield Cleanup Program sites that recently entered the program. Site number C203040 located at 868 Courtlandt Avenue and C203041 located at 884 Courtlandt Avenue.

Several properties in the immediate vicinity of the site are listed with regulatory agencies as the location of a release of hazardous or regulated substances, or undergoing a remedial effort. Contaminated soil and groundwater at these locations has the potential to create vapors which can accumulate in the subsurface beneath building foundations. This condition can adversely impact indoor air quality and result in a health hazard to building occupants. No structures currently exist at this location, however, any future construction should be designed to include vapor barriers or sub-slab venting systems to mitigate this potential condition.

Summary of the Work Performed under the Remedial Investigation

Based on the results of the Phase I ESA completed in 2006, a Phase II investigation was completed by Conrad Geoscience Corp in 2007 / 2008. The results of the Phase II investigation are included in Appendix B.

PVE Sheffler, LLC was retained by Trinity Financial to perform the following scope of work:

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Installed 6 soil borings across the entire project Site, and collected 12 soil samples for chemical analysis from the soil borings to evaluate soil quality;
3. Installed 3 groundwater monitoring wells throughout the Site to establish groundwater flow and collected 3 groundwater samples for chemical analysis to evaluate groundwater quality;
4. Installed 8 soil vapor probes around Site perimeter and collected 8 samples for chemical analysis.

Summary of Environmental Findings

1. Elevation of the property ranges from 40 to 30 feet.
2. Depth to groundwater ranges from 18.9 to 24.1 feet at the Site.
3. Groundwater flow is generally from northwest to southeast beneath the Site.
4. Depth to bedrock is not currently known.
5. The stratigraphy of the site, from the surface down, generally consists of -2-11 feet of urban fill underlain by 11-16 feet of poorly graded coarse grain sand.
6. Twelve soil/fill samples collected during the investigations were compared to New York State Department of Environmental Conservation (NYSDEC) Part 375 Table 375-6.8 Unrestricted Use and Restricted Residential Use Soil Cleanup Objectives (SCOs). The samples results showed that one VOC, acetone was detected at trace concentrations. Several SVOCs including benzo(a)anthracene (max 5.6 mg/kg), benzo(a)pyrene (max 2.83 mg/kg), benzo(b)-fluoranthene (max 2.58 mg/kg), chrysene (max 7.04 mg/kg), Dibenz(a,h)anthracene (max 0.590 mg/kg), and indeno(1,2,3-cd)pyrene (max 1.67 mg/kg) were detected above Restricted Residential Use SCOs. One PCB (PCB-1254) was detected in one sample at 219 ug/kg, exceeding Unrestricted Use SCOs. Three pesticides including Dieldrin (max of 0.00792 mg/kg), 4,4'-DDE (max of 0.00455 mg/kg)

and 4,4'-DDT (max of 0.0213 mg/kg) were detected at concentrations exceeding Unrestricted Use SCOs. Metals including barium (max of 681 mg/kg), copper (max 70.8 mg/kg), lead (max of 313 mg/kg), mercury (max .336 mg/kg) and zinc (max of 403 mg/kg) exceeded Unrestricted Use SCOs. Of these metals, barium also exceeded Restricted Residential SCOs. With the exception of 4,4'-DDT (SB-2 from 3-5' below grade), all exceedances of Track 1 and 2 SCOs are above the proposed final excavation depth. Overall, the findings were consistent with observations for historical fill sites in areas throughout NYC.

7. Three groundwater samples collected during the investigations were compared to the NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards (GQS) for Class GA (drinking water). Groundwater samples showed no detectable concentration of PCBs, or Pesticides. Several VOCs were detected at trace concentration including acetone, chlorobenzene and chloroform, below GQS. Two SVOCs including fluorine and phenanthrene were detected below GQS. Several metals were detected in groundwater but only copper (4 ug/L) exceeded its GQS.
8. Eight soil vapor samples collected during the 2014 EBC RI were compared to the New York State Department of Health (NYSDOH) Final Guidance on Soil Vapor Intrusion (October 2006) Matrix 1 and Matrix 2 values. Soil vapor samples showed moderate levels of petroleum related and chlorinated VOCs in all soil vapor samples. Most contaminant concentrations were below 50 ug/m³ except for acetone, which was detected in all samples at a maximum concentration of 190 ug/m³ and N-heptane and N-hexane (at max concentrations of 450 and 180 ug/m³). Chlorinated VOC, tetrachloroethylene was detected in 6 of the 8 samples at a maximum concentration of 11 µg/m³. Trichloroethylene was detected in 2 of the 8 samples at a maximum concentration of 12 µg/m³. Carbon tetrachloride was detected in 1 of the 8 samples at a concentration of 20 µg/m³ and 1,1,1-trichloroethane (1,1,1-TCA), was detected in 1 of the 9 samples at a concentration of 11 µg/m³. The TCE concentrations are above the monitoring level ranges established within the State NYS DOH soil vapor guidance matrix.

REMEDIAL INVESTIGATION REPORT

1.0 SITE BACKGROUND

Trinity Financial has applied to be enroll in the New York City Voluntary Cleanup Program (NYC VCP) to investigate and remediate a 0.6-acre site located at 3160 Park Avenue in Melrose section of Bronx, New York. Mixed commercial residential use is proposed for the property. The RI work was performed between October 9, 2014 and October 20, 2014. 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 3160 Park Avenue in the Melrose section in Bronx, New York and is identified as Block 2419 and Lots 28, 30 and 36 on the New York City Tax Map. Figure 1 shows the Site location. The Site is 24,928.1-square feet and is bounded by East 161st Street to the north, East 160th Street to the south, Courtlandt Avenue to the east, and Park Avenue to the west. A map of the site boundary is shown in Figure 2. Currently, the Site is vacant and contains no buildings or other pertinent Site features.

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The proposed future use of the Site will include a building with mixed commercial and residential use. A cellar incorporating 38 parking spaces has been proposed for future development; the square footage of the parking area has not been finalized, but is expected to be approximately 15,000 square feet. The footprint of the proposed building will encompass 24,855.91 square feet of the 24,928.1 square-foot block. Excavation depths are estimated to range from 3-18 feet below grade surface (bgs) given the varying surface elevation of the lot across the block. The deepest excavation will be concentrated along the northwestern edge of the property, along Park Avenue, where the surface elevation is highest. Shallower excavation will take place along the southern extents of the property where the surface elevation is lowest. The first floor of the proposed development includes commercial (21,442.09 square feet) and residential (3,413.82 square feet) spaces. Floors 2 through 11 consist of 160,503.89 square feet of residential space for a total of 185,359.80 square feet of development. Layout of the proposed

site development is presented in Figure 4. The current zoning designation is R8 for residential use. The proposed use is consistent with existing zoning for the property.

1.3 Description of Surrounding Property

The adjacent properties to the south, east, and west are residential. All adjacent properties are residential or residential apartments with the exception of a public park (Railroad Park) to the north and the Bronx Defender's Attorney office located to the east. There are no hospitals, schools or daycare facilities within a 500-foot range of the subject property.

Figure 4 shows the surrounding land usage.

2.0 SITE HISTORY

2.1 Past Uses and Ownership

Property Ownership

The subject property is currently owned by 3160 Park Ave LLC. Property ownership history was researched through the NYC.gov Department of City Planning website. Previous property owners and the approximate date of purchase are listed below:

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Surrounding property listings, starting in 1927, were historically residential and commercial/retail. 3157 Park Avenue is listed as an auto repair facility and gas station in 1940. The directory lists this address as an auto repair facility in 1949, 1956, 1961, 1965 and 1971.

This address is not listed in the directory after 1971, and during a July 24, 2006 site inspection, Conrad Geoscience observed that this address is currently a residence. There are no other pertinent listings for the adjacent properties.

2.2 Previous Investigations

2.2.1 Phase I Environmental Site Assessment – August 2006

Conrad Geoscience personnel published a Phase I Environmental Site Assessment dated August 28, 2006 in conformance with ASTM Standard E-1527-05 of the property at 3160 Park Avenue, Borough of the Bronx, Bronx County, New York, the subject property. Any exceptions to, or deletions from, this practice are described in Section 2 of the appended report. This ESA included a Phase II investigation. Results of the Phase II ESA are discussed in the appended Subsurface Investigation Report (Appendix A). This assessment has revealed no evidence of *recognized environmental conditions* in connection with the property, except for the following:

1. Past operations on the subject property include a ceramics manufacturing facility and an automotive repair facility. Although we have observed no evidence that hazardous or regulated substances were spilled or discharged as a result of these operations, such spillage or discharge cannot be ruled out. Discharge of hazardous or regulated substances from such operations can affect soil and groundwater, and, therefore, such historical uses represent a recognized environmental condition. In addition, the site operated a NYC Transit Authority facility, which generated more than 11,000 pounds of lead-contaminated waste in 1999, which was reportedly disposed of off-site.

To verify the presence or absence of subsurface contamination originating from past site usage, Conrad Geoscience recommended that a Phase II investigation be conducted.

2.2.2 Phase II Subsurface Investigation Report – August 2006

The Phase II subsurface investigation (Appendix B), conducted by Conrad Geoscience on August 14 and 15, 2006, consisted of 16 soil borings and collection and analysis of soil samples across the subject property. Soil borings were completed to depths ranging from 6-20 feet through the use of a direct-push Geoprobe_{TIM} equipped with 5-foot long, 1 ¾-inch diameter core barrel (macro-core) fitted with an acetate liner. One soil sample was collected from each boring for analysis, retained in laboratory provided containers, packed on ice and shipped overnight

delivery and submitted to a NYSDOH Environmental Laboratory Accreditation Program (ELAP)-certified laboratory to be analyzed for TCL VOCs, SVOCs (in vicinity of former automotive repair facility) and RCRA Metals via their respective USEPA methods.

Results of the Phase II investigation revealed elevated concentrations of semi-volatile organic compounds (SVOCs) in shallow subsurface soils (2'-10' depth) in the vicinity of former automotive repair operations. Low concentrations of metals were detected in all soil borings, and are likely components of and urban fill material. Boring GB-14 soil (0'-2' depth) had elevated concentrations of lead (13,400 mg/kg), which is likely to be residue of lead waste, summarized in section 2.2.1. There were no detected VOCs in any of the 16 soil borings completed.

2.2.3 Phase II Additional Subsurface Investigation – May 2007

The Phase II subsurface investigation (Appendix B), conducted by Conrad Geoscience on May 21, 2007, consisted of 14 soil borings and collection and analysis of soil samples across the subject property. These soil borings were used to supplement the Phase II investigation conducted in August of 2006 in order to further assist in the delineation of lead contaminated soil in the vicinity of GB-14. Soil borings were completed to depths ranging from 0-2 feet through the use of a direct-push Geoprobe_{TM} equipped with 5-foot long, 1 3/4-inch diameter core barrel (macro-core) fitted with an acetate liner. One soil sample was collected from each boring, with the exception of DB-8 where two samples were collected, retained in laboratory provided containers, packed on ice and shipped overnight delivery and submitted to a NYSDOH Environmental Laboratory Accreditation Program (ELAP)-certified laboratory to be analyzed for total lead.

Three groundwater samples were collected using the Geoprobe_{TM} SP-16 groundwater sampling tool and a peristaltic pump. The first groundwater sample, GW-1, was collected in the vicinity of delineation borings DB-8 and DB-9 in order to assess the impact on groundwater from past site operations. The second groundwater sample, GW-2, was collected from the northwestern corner of the property in order to evaluate topographically up-gradient groundwater quality. The third groundwater sample, GW-3, was collected from the northeastern portion of the property, in the vicinity of the former automotive repair facility in order to evaluate the impact to groundwater from past site operations. Groundwater samples were retained in laboratory provided containers, packed on ice and shipped overnight delivery and submitted to a

NYSDOH Environmental Laboratory Accreditation Program (ELAP)-certified laboratory to be analyzed for STARS List of VOCs, SVOCs and also for RCRA Metals.

Analytical results revealed that total lead concentrations in soil samples ranged from 25.7-386 mg/kg. No VOCs or SVOCs were detected in any of the groundwater samples. Barium and Arsenic were the only metals detected in groundwater samples, all concentrations were detected below applicable limits.

2.2.4 Phase I Environmental Site Assessment – January 2009

Conrad Geoscience personnel conducted a Phase I Environmental Site Assessment, published January 16, 2009, in conformance with ASTM Standard E-1527-05 of the property at 3160 Park Avenue, Borough of the Bronx, Bronx County, New York. Any exceptions to, or deletions from, this practice are described in Section 2 of the appended report (Appendix D). This assessment has revealed no evidence of *recognized environmental conditions* in connection with the property except for the following:

1. Several spills are located near the subject property that have not been closed by NYSDEC. In addition, adjacent to the subject property are two Brownfield Cleanup Program sites that recently entered the program. Site number C203040 located at 868 Courtlandt Avenue and C203041 located at 884 Courtlandt Avenue.
2. Past operations on the subject property include a ceramics manufacturing facility and an automotive repair facility. The layout and configuration of the ceramics manufacturing facility is unknown. Sub-grade structures such as a basement or other manufacturing components could be present. Although we have observed no evidence that hazardous or regulated substances were spilled or discharged as a result of these operations, such spillage or discharge cannot be ruled out. Discharge of hazardous or regulated substances from such operations can affect soil and groundwater, and, therefore, such historical uses represent a recognized environmental condition. In addition, the site operated a NYC Transit Authority facility, which generated more than 11,000 pounds of lead-contaminated waste in 1999, which was reportedly disposed of off-site.
3. Several properties in the immediate vicinity of the site are listed with regulatory agencies as the location of a release of hazardous or regulated substances, or undergoing a remedial effort. Contaminated soil and groundwater at these locations has the potential to create vapors which can accumulate in the subsurface beneath building foundations. This condition can adversely impact indoor air quality and result in a health hazard to building

occupants. No structures currently exist at this location, however, any future construction should be designed to include vapor barriers or sub-slab venting systems to mitigate this potential condition.

2.3 Site Inspection

PVE Sheffler personnel, Christopher Brown, inspected the subject property in January 2009. The lot was predominantly covered with vegetation on the date of the inspection. The subject property is accessed from East 161st Street via a gate in the chain-link fence surrounding the property. The semi-rectangular property is covered by low vegetation and is partially paved along the northern side of the property.

No structures are currently present. The building that occupied the southern portion of the property was demolished in 2006, and on the date of the site inspection, none of the structure remained except for small quantities of brick. A sub-grade cellar identified in previous site inspections was currently filled to a depth within 4 inches of the current land surface.

Building materials such as lumber and metal beams were staged on the property, presumably for future construction on the site. Two excavators were also staged on-site. A sign outside the property indicated that the planned construction includes a retail building and car parking. Unregulated solid waste debris and trash was present throughout the property from dumping by local residents.

2.4 Areas of Concern

The AOCs identified for this site include:

1. Past operations on the subject property include a ceramics manufacturing facility and an automotive repair facility. The layout and configuration of the ceramics manufacturing facility is unknown. Sub-grade structures such as a basement or other manufacturing components could be present. Although we have observed no evidence that hazardous or regulated substances were spilled or discharged as a result of these operations, such spillage or discharge cannot be ruled out. Discharge of hazardous or regulated substances from such operations can affect soil and groundwater, and, therefore, such historical uses represent a recognized environmental condition. In addition, the site is listed as a generator of hazardous waste EPA ID #NYR000069187 under NYC Transit Authority

facility, which generated more than 11,000 pounds of lead-contaminated waste in 1999, which was reportedly disposed of off-site.

2. Several spills are located near the subject property that have not been closed by NYSDEC. In addition, adjacent to the subject property are two Brownfield Cleanup Program sites that recently entered the program.
3. Several properties in the immediate vicinity of the site are listed with regulatory agencies as the location of a release of hazardous or regulated substances, or undergoing a remedial effort. Contaminated soil and groundwater at these locations has the potential to create vapors which can accumulate in the subsurface beneath building foundations. This condition can adversely impact indoor air quality and result in a health hazard to building occupants. No structures currently exist at this location, however, any future construction should be designed to include vapor barriers or sub-slab venting systems to mitigate this potential condition.

Phase I Report is presented in Appendix A. A map showing areas of concern is presented in Figure 2.

3.0 PROJECT MANAGEMENT

3.1 Project Organization

The Qualified Environmental Profession (QEP) responsible for preparation of this RIR is Christopher Brown, Senior Hydrogeologist.

Field work and sample collection was conducted by:

- Conor Tarbell, Environmental Technician
- Stephanie Lewison, Geologist
- Alan Mason, Geologist

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

4.1 Summary of Scope

Trinity Financial performed the following scope of work:

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Installed 6 soil borings across the entire project Site, and collected 12 soil samples for chemical analysis from the soil borings to evaluate soil quality;
3. Installed 3 groundwater monitoring wells throughout the Site to establish groundwater flow and collected 3 groundwater samples for chemical analysis to evaluate groundwater quality;
4. Installed 8 soil vapor probes around Site perimeter and collected 8 samples for chemical analysis.

4.2 Borings and Monitoring Wells

Drilling and Soil Logging

On October 9th, 10th and 14th of 2014, six soil borings were completed to evaluate subsurface conditions, determine depths of historical fill material and collect samples for laboratory analysis. Borings were advanced using a track-mounted direct-push (GeoprobeTM) drilling unit equipped with 5-foot long, 1 3/4-inch diameter core barrels (macro-cores) fitted with acetate liners, and were sampled continuously from the ground surface to a maximum depth of 25 feet below grade, or less depending on depth to groundwater. Two soil samples were collected from each borings (for a total of twelve (12) soil samples) for laboratory analysis. A surface soil sample (from the 0-2 feet bgs interval) and subsurface soil sample (from the two (2) foot interval beneath the proposed maximum excavation depth. Discrete (grab) samples were collected from the aforementioned sampling intervals. The project geologist recorded detailed logs of each boring, which are attached to this report and summarized below. In general, each boring consisted of fill material from the ground surface to a depth between 2 and 11 feet below grade, and poorly graded coarse grain sand extending from 11 feet below grade to groundwater (ranging from 18.9 to 24.1 feet below grade).

Soil samples were screened in the field for the presence of volatile organic compounds (VOCs) using a photoionization detector (PID) and headspace techniques. Soil samples were submitted to a NYSDOH Environmental Laboratory Accreditation Program (ELAP)-certified laboratory for Full analysis:

- Volatile Organic Compounds by EPA Method 8260;
- Semi-volatile organic compounds by EPA Method 8270;
- Pesticides/PCBs by EPA Method 8081/8082; and
- Target Analyte List metals by EPA Method 6010 and 7471;

Boring SB-1 was advanced to 21' bgs. Groundwater was not encountered before refusal. The soil consisted of urban fill from 0-9' bgs and coarse grain sand to refusal (21'). PID readings were 0.0 ppm. A sample was collected from the 0-2' interval and 15-17' interval.

Boring SB-2 was advanced to 17.5' bgs. Groundwater was not encountered before refusal; however, increasing moisture was found in the 16-17.5' interval. The soil consisted of urban fill from 0-4' bgs; brown sand and clay from 4-8' bgs; a coarse grain sand from 8-10.5' bgs; sand and clay from 10.5-11.5' bgs; coarse grain sand from 11.5-16' bgs; brown sand and clay from 16-17' bgs and coarse sand from 17-17.5' bgs (refusal). PID readings were 0.0-0.8 ppm. A sample was collected from the 0-2' interval and 3-5' interval.

Boring SB-3 was advanced to 20 feet bgs. Groundwater was encountered at 17' bgs. The soil generally consisted of urban fill from 0-7' bgs and coarse brown sand from 7-20' bgs (refusal). PID readings were 0.0ppm. A sample was collected from the 0-2' interval and 7-9' interval.

Boring SB-4 was advanced to 20' bgs. Groundwater was not encountered before refusal. The soil consisted of urban fill from 0-5' bgs; brown sand and silty clay from 5-9' bgs; coarse sand from 9-12.5' bgs; sand and gravel from 12.5-16' bgs and coarse sand from 16-20' bgs (refusal). PID readings were 0.0-1.4 ppm. A sample was collected from the 0-2' interval and 10-12' interval.

Boring SB-5 was advanced to 25' bgs. Groundwater was encountered at 22' bgs. The soil consisted of organic litter and soil from 0-1' bgs; urban fill from 1-6' bgs; brown sand and silt from 6-13' bgs; coarse sand from 13-22' bgs and brown sand and clay from 22-25' bgs

(refusal). PID readings were 0.0ppm. A sample was collected from the 0-2' interval and 15-17' interval.

Boring SB-6 was advanced to 19' bgs. Groundwater was not encountered before refusal; however, increasing moisture was found from the 18.5-19' interval of the boring. The soil consisted of urban fill from 0-2' bgs; coarse sand from 2-14' bgs; shattered rock from 14-15' bgs and sand with little fines from 15-19' bgs (refusal). PID readings were 37.0-65.0 ppm. A sample was collected from the 0-2' interval and 15-17' interval.

Boring logs were prepared by a geologist are attached in Appendix E. A map showing the location of soil borings and monitoring wells is shown in Figure 2.

Groundwater Monitoring Well Construction

Monitoring wells were installed using a conventional auger rig equipped with 4.25" augers. Wells were constructed of 2"-diameter Schedule 40 PVC with a 10' screened interval consisting of a 0.020-inch slotted screen. The borehole annulus was filled with silica sand to a height of 2 feet above the top of the screen to form a filter pack. Bentonite was emplaced above the filter pack to form a 2-foot thick seal. Wells were finished with 2' of stick-up above grade and a locking well cap.

Monitoring well locations are shown in Figure 3, well construction diagrams are included in Appendix G.

Survey

The locations of soil borings and monitoring wells were established using a hand-held Trimble GEO-XH global positioning system (GPS).

Water Level Measurement

Depth to groundwater in each monitoring well was measured on October 20, 2014 with a water level meter in order to record a depth to groundwater reading (1/100 foot).

Water level data is included in Table 4.

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

A geologist screened the soil samples during borehole advancement for organic vapors with a photo-ionization detector (PID) and evaluated for visual and olfactory impacts prior to collecting samples. All field work was recorded in a field log. A track-mounted direct-push (Geoprobe™) drilling unit equipped with 5-foot long, 1 3/4-inch diameter core barrels (macro-cores) fitted with acetate liners was used. Two soil samples were collected from each test borings (for a total of twelve (12) soil samples) for laboratory analysis. A surface soil sample (from the 0-2 feet bgs interval) and subsurface soil sample (from the two (2) foot interval beneath the proposed maximum excavation depth. Grab samples were collected from each interval and submitted to a NYSDOH Environmental Laboratory Accreditation Program (ELAP)-certified laboratory for Full analysis:

- Volatile Organic Compounds by EPA Method 8260;
- Semi-volatile organic compounds by EPA Method 8270;
- Pesticides/PCBs by EPA Method 8081/8082; and
- Target Analyte List metals by EPA Method 6010 and 7471

Twelve soil samples were collected for chemical analysis during this RI. Data on soil sample collection for chemical analyses, including dates of collection and sample depths, is reported in Table 1. Figure 3 shows the location of samples collected in this investigation. Laboratories and analytical methods are shown below.

Groundwater Sampling

Three groundwater samples were collected for chemical analysis during this RI. Water samples were collected from the monitoring wells utilizing low-flow sampling methods and equipment with dedicated tubing. The wells were purged by pumping groundwater from the well until temperature, pH, and conductivity stabilized. Groundwater sample collection data is reported in Table 2. Figure 3 shows the location of groundwater sampling. Laboratories and analytical methods are shown below. Samples were dispensed into laboratory provided containers (including filtered and unfiltered samples for metals) and delivered to a NYSDOH certified laboratory by courier service.

Soil Vapor Sampling

Eight soil vapor probes were installed and 8 soil vapor samples were collected for chemical analysis during this RI. Soil vapor sample points were installed in accordance with the NYSDOH Guidance for temporary soil vapor sample probes. A Geoprobe was utilized to drill a 2" borehole down to approximately 1-2' above the groundwater soil interface. Polyethylene tubing was installed to the bottom of the borehole incased in 1" Schedule 40 PVC piping with a 0.020-inch slotted screen interval at the bottom most two feet. Two feet of sand was used to fill the annular space from the bottom of the boring. Three feet of bentonite chips was used to create a seal above the vapor collection point, and was hydrated as it was poured. The polyethylene tubing, which extended above the surface, was capped until sampling. Immediately prior to sample collection, soil vapor points were tested with a helium tracer testing to ensure that an adequate surface seal was created to prevent outdoor air infiltration, and sample points were purged of 1 to 3 volumes at a rate that did not exceed 0.2 L/min.

Soil vapor sampling locations are shown in Figure 3. Soil vapor sample collection data is reported in Table 3. Soil vapor sampling logs are included in Appendix F. Methodologies used for soil vapor assessment conform to the *NYS DOH Final Guidance on Soil Vapor Intrusion, October 2006*.

Chemical Analysis

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

Factor	Description
Quality Assurance Officer	The chemical analytical quality assurance is directed by Tara

	Weikel
Chemical Analytical Laboratory	Chemical analytical laboratory(s) used in the RI is NYS ELAP certified and was York Analytical Laboratories.
Chemical Analytical Methods	<p>Soil analytical methods:</p> <ul style="list-style-type: none"> • TAL Metals by EPA Method 6010C (rev. 2007); • VOCs by EPA Method 8260C (rev. 2006); • SVOCs by EPA Method 8270D (rev. 2007); • Pesticides by EPA Method 8081B (rev. 2000); • PCBs by EPA Method 8082A (rev. 2000); <p>Groundwater analytical methods:</p> <ul style="list-style-type: none"> • TAL Metals by EPA Method 6010C (rev. 2007); • VOCs by EPA Method 8260C (rev. 2006); • SVOCs by EPA Method 8270D (rev. 2007); • Pesticides by EPA Method 8081B (rev. 2000); • PCBs by EPA Method 8082A (rev. 2000); <p>Soil vapor analytical methods:</p> <ul style="list-style-type: none"> • VOCs by TO-15 VOC parameters..

Results of Chemical Analyses

Laboratory data for soil, groundwater and soil vapor are summarized in Table 1, 2 and 3, respectively. Laboratory data deliverables for all samples evaluated in this RIR are provided in digital form in Appendix H.

5.0 ENVIRONMENTAL EVALUATION

5.1 Geological and Hydrogeological Conditions

Stratigraphy

Unconsolidated sediments at the subject property consist of 2 to 11 feet of fill material underlain by coarse grained sand with silt to an unknown depth above bedrock.

Hydrogeology

A table of water level data for all monitor wells is included in Table 4. The average depth to groundwater is 21.38' and the range in depth is 18.9' to 24.1'. A map of groundwater level elevations with groundwater contours and inferred flow lines will be submitted under separate cover; based on local topography and groundwater is presumed to flow is from northwest to southeast.

5.2 Soil Chemistry

1. Elevation of the property ranges from 40 to 30 feet.
2. Depth to groundwater ranges from 18.9 to 24.1 feet at the Site.
3. Groundwater flow is generally from northwest to southeast beneath the Site.
4. Depth to bedrock is not currently known.
5. The stratigraphy of the site, from the surface down, generally consists of -2-11 feet of urban fill underlain by 11-16 feet of poorly graded coarse grain sand.
6. Twelve soil/fill samples collected during the investigations were compared to New York State Department of Environmental Conservation (NYSDEC) Part 375 Table 375-6.8 Unrestricted Use and Restricted Residential Use Soil Cleanup Objectives (SCOs). The samples results showed that one VOC, acetone was detected at trace concentrations. Several SVOCs including benzo(a)anthracene (max 5.6 mg/kg), benzo(a)pyrene (max 2.83 mg/kg), benzo(b)-fluoranthene (max 2.58 mg/kg), chrysene (max 7.04 mg/kg), Dibenz(a,h)anthracene (max 0.590 mg/kg), and indeno(1,2,3-cd)pyrene (max 1.67

mg/kg) were detected above Restricted Residential Use SCOs. One PCB (PCB-1254) was detected in one sample at 219 ug/kg, exceeding Unrestricted Use SCOs. Three pesticides including Dieldrin (max of 0.00792 mg/kg), 4,4'-DDE (max of 0.00455 mg/kg) and 4,4'-DDT (max of 0.0213 mg/kg) were detected at concentrations exceeding Unrestricted Use SCOs. Metals including barium (max of 681 mg/kg), copper (max 70.8 mg/kg), lead (max of 313 mg/kg), mercury (max .336 mg/kg) and zinc (max of 403 mg/kg) exceeded Unrestricted Use SCOs. Of these metals, barium also exceeded Restricted Residential SCOs. With the exception of 4,4'-DDT (SB-2 from 3-5' below grade), all exceedances of Track 1 and 2 SCOs are above the proposed final excavation depth. Overall, the findings were consistent with observations for historical fill sites in areas throughout NYC.

Data collected during the RI is sufficient to delineate the vertical and horizontal distribution of contaminants in soil/fill at the Site. A summary table of data for chemical analyses performed on soil samples is included in Table 1.

5.3 Groundwater Chemistry

Three groundwater samples collected during the investigations were compared to the NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards (GQS) for Class GA (drinking water). Groundwater samples showed no detectable concentration of PCBs, or Pesticides. Several VOCs were detected at trace concentration including acetone, chlorobenzene and chloroform, below GQS. Two SVOCs including fluorine and phenanthrene were detected below GQS. Several metals were detected in groundwater but only copper (4 ug/L) exceeded its GQS.

Data collected during the RI is sufficient to delineate the distribution of contaminants in groundwater at the Site. A summary table of data for chemical analyses performed on groundwater samples is included in Table 2. Exceedence of applicable groundwater standards are shown.

5.4 Soil Vapor Chemistry

Eight soil vapor samples collected during the 2014 EBC RI were compared to the New York State Department of Health (NYSDOH) Final Guidance on Soil Vapor Intrusion (October

2006) Matrix 1 and Matrix 2 values. Soil vapor samples showed moderate levels of petroleum related and chlorinated VOCs in all soil vapor samples. Most contaminant concentrations were below 50 ug/m³ except for acetone, which was detected in all samples at a maximum concentration of 190 ug/m³ and N-heptane and N-hexane (at max concentrations of 450 and 180 ug/m³). Chlorinated VOC, tetrachloroethylene was detected in 6 of the 8 samples at a maximum concentration of 11 µg/m³. Trichlorethylene was detected in 2 of the 8 samples at a maximum concentration of 12 µg/m³. Carbon tetrachloride was detected in 1 of the 8 samples at a concentration of 20 µg/m³ and 1,1,1-trichloroethane (1,1,1-TCA), was detected in 1 of the 9 samples at a concentration of 11 µg/m³. The TCE concentrations are above the monitoring level ranges established within the State NYS DOH soil vapor guidance matrix.

VOC compounds detected above NYSDOH 2003 Median Concentrations, and their concentration ranges, are as follows:

1,1,1-Trichloroethane	8.5 µg/m ³ (SV-2)	
1,2,4-Trichlorobenzene	10 µg/m ³ (SV-4)	13 µg/m ³ (SV-8)
4-ethyltoluene	9.7 µg/m ³ (SV-1)	
Acetone	47 µg/m ³ (SV-2)	190 µg/m ³ (SV-6)
Benzene	6.3 µg/m ³ (SV-2)	21/m ³ (SV-)
Carbon Tetrachloride	20 µg/m ³ (SV-3)	
Chloroform	12 µg/m ³ (SV-1)	26 µg/m ³ (SV-4)
Chloromethane	6.3 µg/m ³ (SV-1)	
Cyclohexane	6.8 µg/m ³ (SV-1)	25 µg/m ³ (SV-6)
Dichlorodifluoromethane	8.6 µg/m ³ (SV-3)	
Ethylbenzene	7.8 µg/m ³ (SV-5)	9.4 µg/m ³ (SV-1)
m&p Xylene	19 µg/m ³ (SV-2)	30 µg/m ³ (SV-8)
Methyl Ethyl Ketone (2-Butanone)	9.2 µg/m ³ (SV-3)	16 µg/m ³ (SV-5 and 6)
Methylene Chloride	13 µg/m ³ (SV-3)	35 µg/m ³ (SV-5)
N-Heptane	11 µg/m ³ (SV-1 and 2)	180 µg/m ³ (SV-4)
N-Hexane	9.1 µg/m ³ (SV-2)	450 µg/m ³ (SV-4)
o- Xylene	8.1 µg/m ³ (SV-4)	12 µg/m ³ (SV-8)
Styrene	8.4 µg/m ³ (SV-6)	

Tetrachloroethylene	6.1 µg/m ³ (SV-1)	11 µg/m ³ (SV-6)
Toluene	39 µg/m ³ (SV-4)	59 µg/m ³ (SV-8)
Trichloroethene	5.8 µg/m ³ (SV-6)	12 µg/m ³ (SV-4)

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 3.

Figure 13 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.

Site-Specific Standards, Criteria and Guidance

- 6 NYCRR Part 371 - Identification and Listing of Hazardous Wastes
- 6 NYCRR Part 375 - Inactive Hazardous Waste Disposal Sites
- 6 NYCRR Parts 700-706 - Water Quality Standards (June 1998)
- STARS #1 - Petroleum-Contaminated Soil Guidance Policy
- TOGS 1.1.1 - Ambient Water Quality Standards & Guidance Values and Groundwater Effluent Limitations
- Fish and Wildlife Impact Analysis for Inactive Hazardous Waste Sites (October 1994)
- Technical Guidance for Screening Contaminated Sediments (January 1999)
- NYSDOH Indoor Air Sampling & Analysis Guidance (August 8, 2001 or subsequent update)
- NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York (draft October 2004 or subsequent final draft)
- DER Interim Strategy for Groundwater Remediation at Contaminated Sites in New York State
- 6 NYCRR Part 612 - Registration of Petroleum Storage Facilities (February 1992)
- 6 NYCRR Part 613 - Handling and Storage of Petroleum (February 1992)
- 6 NYCRR Part 614 - Standards for New and Substantially Modified Petroleum Storage Tanks (February 1992)
- 40 CFR Part 280 - Technical Standards and Corrective Action Requirements for Owners and Operators of Underground Storage Tanks

FIGURES



Source: Esri, DigitalGlobe, GeoEye, i-cubed, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN,



Parcel Outline: NYC.GOV TAX BLOCKS BASE MAP
 Base Map: USGS Topographic Map, 1:24,000 Series
 Aerial Photo: ESRI BaseMaps

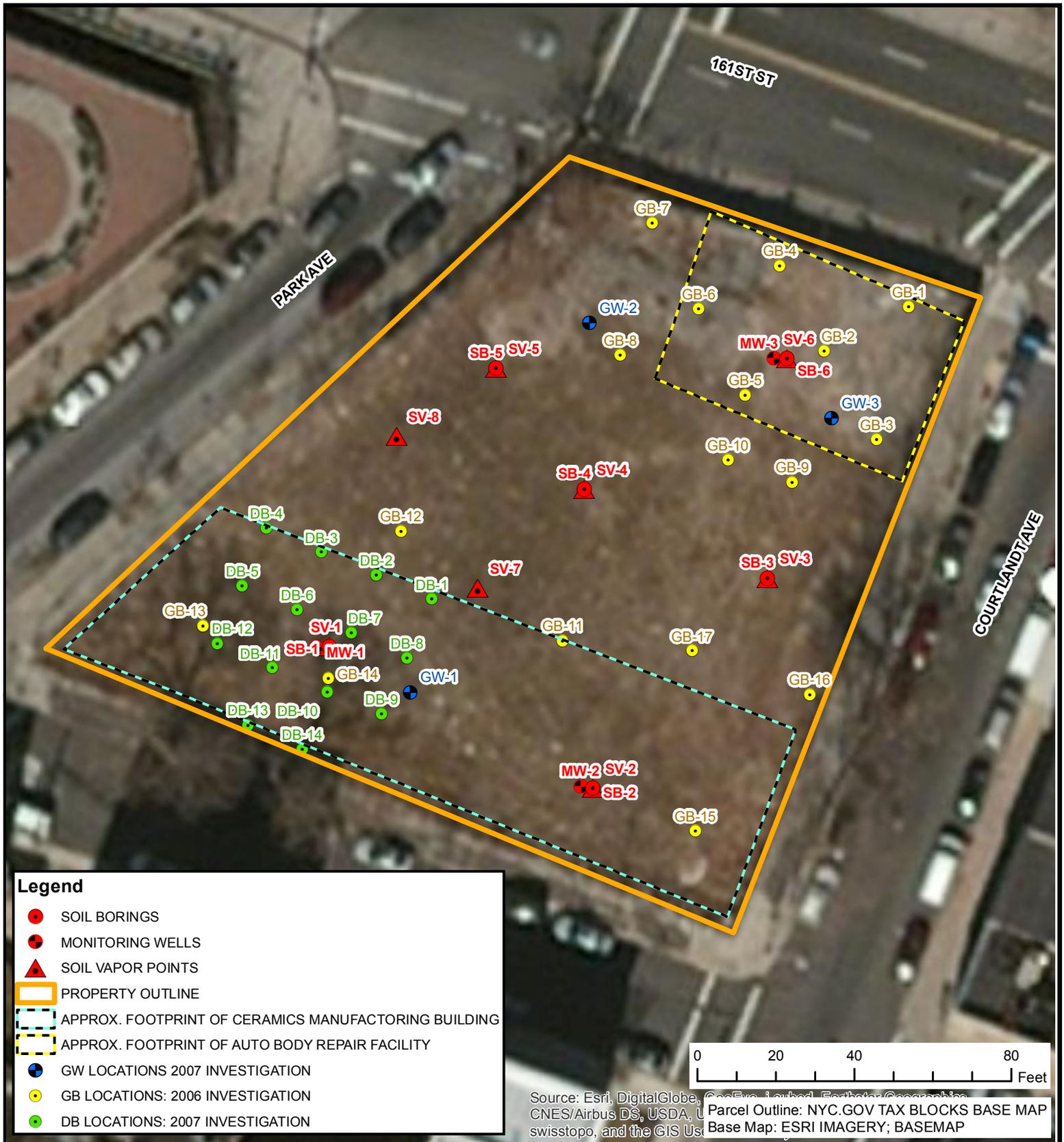
SITE LOCATION MAP
 3160 PARK AVENUE
 BRONX, BRONX COUNTY
 NEW YORK

FIGURE 1	
DATE:	10/01/2014
SCALE:	As Indicated
PROJECT NUMBER:	PB060260
ALL LOCATIONS APPROXIMATE	



One Civic Center Plaza
 Suite 501
 Poughkeepsie, New York 12601
 Phone: (845) 454-2544
 Fax: (845) 454-2655





SAMPLE LOCATIONS

3160 PARK AVENUE
 BRONX, BRONX COUNTY
 NEW YORK

FIGURE 2

	DATE:	11/4/2014
	SCALE:	As Indicated
	PROJECT NUMBER:	560944

ALL LOCATIONS APPROXIMATE



48 Springside Avenue
 Poughkeepsie, New York 12603
 Phone: (845) 454-2544
 Fax: (845) 454-2655



PARK AVENUE APARTMENTS

3160 PARK AVENUE - BRONX, NEW YORK

TRINITY FINANCIAL



NEWMAN DESIGN GROUP

ARCHITECTS • PLANNERS • ENGINEERS
NDG ARCHITECT, P.C.

210 WEST ROGUES PATH COLD SPRING HILLS, NY 11743
Tel.: 631-673-3111 • Fax: 631-673-2031 • INFO@NEWMANDESIGNGROUP.COM

STRUCTURAL ENGINEER

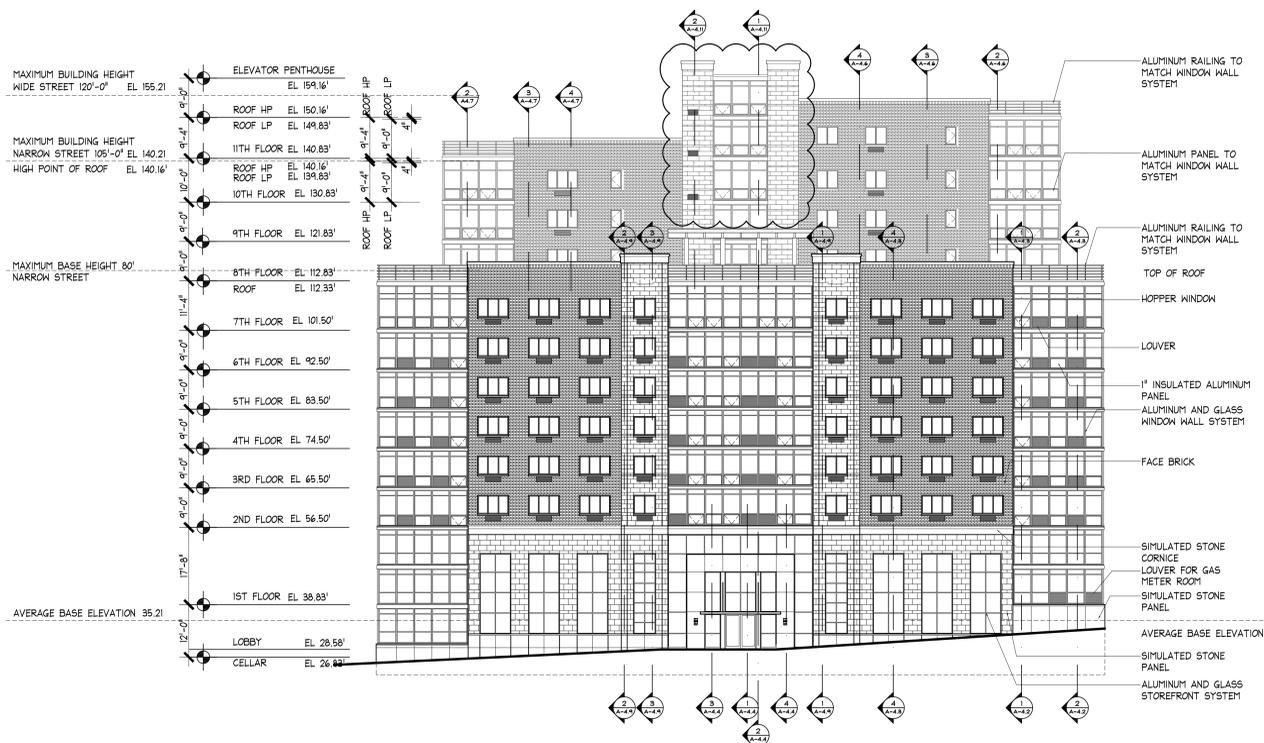
BROOKER ENGINEERING, PLLC
76 LAYAYETTE AVENUE
SUFFERN, NY 10460

MECHANICAL/ ELECTRICAL ENGINEER

DIBARI ENGINEERING, PC
99 MAIN STREET
DOBBS FERRY, NY 10522

LIST OF DRAWINGS:

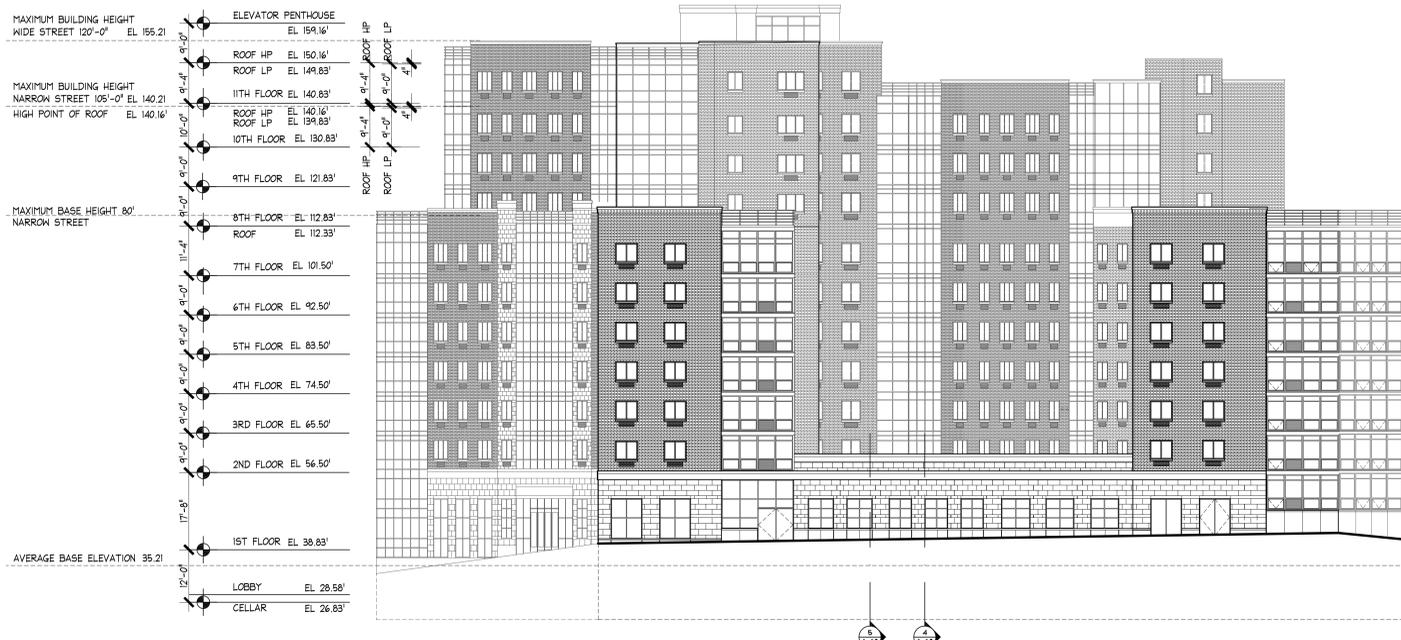
ARCHITECTURAL	CIVIL	MECHANICAL	PLUMBING	SPRINKLER	ELECTRICAL
<p>COVER SHEET</p> <p>Z-1 ZONING ANALYSIS AND BUILDING DEPARTMENT INFORMATION</p> <p>Z-2 ZONING ANALYSIS AND BUILDING DEPARTMENT CALCULATIONS</p> <p>GN1.1 GENERAL NOTES, LEGENDS & ABBREVIATIONS</p> <p>HR1.1 HANDICAP REQUIREMENTS</p> <p>BD1.1 BUILDING DEPARTMENT EXITING DIAGRAMS AND CALCULATIONS</p> <p>BD1.2 BUILDING DEPARTMENT EXITING DIAGRAMS AND CALCULATIONS</p> <p>ST-1 SITE PLAN AND DETAILS</p> <p>A1.1 CELLAR FLOOR PLAN</p> <p>A1.2 FIRST FLOOR PLAN</p> <p>A1.3 2ND THRU 7TH FLOOR PLAN</p> <p>A1.4 8RD THRU 10TH FLOOR PLANS</p> <p>A1.5 11TH FLOOR PLAN</p> <p>A1.6 ROOF PLAN AND DETAILS</p> <p>A1.7 CELLAR REFLECTED CEILING PLAN</p> <p>A1.8 1ST FLOOR REFLECTED CEILING PLAN</p> <p>A1.9 2ND THRU 7TH REFLECTED CEILING PLAN</p> <p>A1.10 8TH THRU 10TH REFLECTED CEILING PLAN</p> <p>A1.11 11TH FLOOR REFLECTED CEILING PLAN</p> <p>A2.1 ELEVATIONS</p> <p>A2.2 ELEVATIONS</p> <p>A2.3 SECTIONS</p>	<p>PROPERTY SURVEY</p> <p>SOIL BORINGS</p> <p>STRUCTURAL</p> <p>S-1.1 GENERAL NOTES AND DESIGN LOADS</p> <p>S-1.2 GENERAL NOTES</p> <p>S-2.1 FOUNDATION PLAN</p> <p>S-2.2 MAT FOOTING REINFORCING PLAN</p> <p>S-2.3 MAT FOOTING REINFORCING PLAN</p> <p>S-3.1 FOUNDATION SECTION AND DETAILS</p> <p>S-3.2 FOUNDATION SECTION AND DETAILS</p> <p>S-4.1 FIRST FLOOR FRAMING PLAN</p> <p>S-4.2 2ND FLOOR FRAMING PLAN</p> <p>S-4.3 3RD - 6TH FLOOR FRAMING PLAN</p> <p>S-4.4 7TH FLOOR FRAMING PLAN</p> <p>S-4.5 8TH FLOOR FRAMING PLAN</p> <p>S-4.6 9TH-10TH FLOOR FRAMING PLAN</p> <p>S-4.7 11TH FLOOR FRAMING PLAN</p> <p>S-4.8 ROOF FRAMING PLAN</p> <p>S-5.1 SUPERSTRUCTURE DETAILS AND SECTIONS</p> <p>S-5.2 SUPERSTRUCTURE DETAILS AND SECTIONS</p> <p>S-5.3 SUPERSTRUCTURE DETAILS AND SECTIONS</p> <p>S-6.1 COLUMN SCHEDULE</p>	<p>MECHANICAL</p> <p>M-1 MECHANICAL CELLAR PLAN</p> <p>M-2 MECHANICAL FIRST FLOOR PLAN</p> <p>M-3 MECHANICAL 2ND FLOOR PLAN</p> <p>M-4 MECHANICAL 3RD - 6TH FLOOR PLAN</p> <p>M-5 MECHANICAL 7TH FLOOR PLAN</p> <p>M-6 MECHANICAL 8TH FLOOR PLAN</p> <p>M-7 MECHANICAL 9TH-10TH FLOOR PLAN</p> <p>M-8 MECHANICAL 11TH FLOOR PLAN</p> <p>M-9 MECHANICAL ROOF PLAN</p> <p>M-10 MECHANICAL SCHEDULE AND NOTES</p> <p>M-11 MECHANICAL SCHEDULE AND NOTES</p> <p>M-12 MECHANICAL RISER DIAGRAM</p> <p>M-13 MECHANICAL RISER DIAGRAM</p> <p>M-14 MECHANICAL RISER DIAGRAM</p> <p>M-15 MECHANICAL RISER DIAGRAM</p> <p>M-16 MECHANICAL DETAILS</p> <p>M-17 MECHANICAL DETAILS</p>	<p>PLUMBING</p> <p>P-1 PLUMBING CELLAR PLAN</p> <p>P-2 PLUMBING FIRST FLOOR PLAN</p> <p>P-3 PLUMBING 2ND FLOOR PLAN</p> <p>P-4 PLUMBING 3RD - 6TH FLOOR PLAN</p> <p>P-5 PLUMBING 7TH FLOOR PLAN</p> <p>P-6 PLUMBING 8TH FLOOR PLAN</p> <p>P-7 PLUMBING 9TH-10TH FLOOR PLAN</p> <p>P-8 PLUMBING 11TH FLOOR PLAN</p> <p>P-9 PLUMBING ROOF PLAN</p> <p>P-10 PLUMBING SANITARY RISER DIAGRAM</p> <p>P-11 PLUMBING SANITARY RISER DIAGRAM</p> <p>P-12 PLUMBING SANITARY RISER DIAGRAM</p> <p>P-13 PLUMBING GAS RISER DIAGRAM</p> <p>P-14 PLUMBING WATER RISER DIAGRAM</p> <p>P-15 PLUMBING WATER RISER DIAGRAM</p> <p>P-16 PLUMBING WATER RISER DIAGRAM</p> <p>P-17 PLUMBING WATER RISER DIAGRAM</p> <p>P-18 PLUMBING WATER RISER DIAGRAM</p> <p>P-19 PLUMBING WATER RISER DIAGRAM</p> <p>P-20 PLUMBING NOTES AND DETAILS</p> <p>P-21 PLUMBING NOTES AND DETAILS</p>	<p>SPRINKLER</p> <p>SP-1 SPRINKLER CELLAR PLAN</p> <p>SP-2 SPRINKLER FIRST FLOOR PLAN</p> <p>SP-3 SPRINKLER 2ND FLOOR PLAN</p> <p>SP-4 SPRINKLER 3RD - 6TH FLOOR PLAN</p> <p>SP-5 SPRINKLER 7TH FLOOR PLAN</p> <p>SP-6 SPRINKLER 8TH FLOOR PLAN</p> <p>SP-7 SPRINKLER 9TH-10TH FLOOR PLAN</p> <p>SP-8 SPRINKLER 11TH FLOOR PLAN</p> <p>SP-9 SPRINKLER ROOF PLAN</p> <p>SP-10 SPRINKLER RISER DIAGRAM</p> <p>SP-11 SPRINKLER NOTES AND DETAILS</p> <p>SP-12 SPRINKLER PLOT PLAN</p> <p>FIRE PROTECTION</p> <p>FA-1 FIRE ALARM FLOOR PLANS</p> <p>FA-2 FIRE ALARM FLOOR PLANS</p> <p>FA-3 FIRE ALARM, ROOF PLAN, RISER DIAGRAM NOTES AND DETAILS</p>	<p>ELECTRICAL</p> <p>E-1 ELECTRICAL CELLAR PLAN</p> <p>E-2 ELECTRICAL 1ST FLOOR PLAN</p> <p>E-3 ELECTRICAL 2ND FLOOR PLAN</p> <p>E-4 ELECTRICAL 3RD - 6TH FLOOR PLAN</p> <p>E-5 ELECTRICAL 7TH FLOOR PLAN</p> <p>E-6 ELECTRICAL 8TH FLOOR PLAN</p> <p>E-7 ELECTRICAL 9TH-10TH FLOOR PLAN</p> <p>E-8 ELECTRICAL 11TH FLOOR PLAN</p> <p>E-9 ELECTRICAL ROOF PLAN</p> <p>E-10 ELECTRICAL TYPICAL APARTMENT LAYOUT</p> <p>E-11 ELECTRICAL TYPICAL APARTMENT LAYOUT</p> <p>E-12 ELECTRICAL RISER DIAGRAM</p> <p>E-13 ELECTRICAL RISER DIAGRAM</p> <p>E-14 ELECTRICAL SCHEDULE & RISER DIAGRAM</p> <p>E-15 ELECTRICAL DETAILS</p> <p>E-16 ELECTRICAL DETAILS</p>



1 COURTLANDT AVENUE ELEVATION
 A2.1 Scale: 1/16" = 1'-0"



2 E. 161 STREET ELEVATION
 A2.1 Scale: 1/16" = 1'-0"



3 PARK AVENUE ELEVATION
 A2.3 Scale: 1/16" = 1'-0"



4 E. 160 STREET ELEVATION
 A2.4 Scale: 1/16" = 1'-0"

DATE: 08-18-08
 SCALE: 1/16"=1'-0"
 DRAWN BY: JK
 JOB #: 13-22

PROJECT:
 PROPOSED BUILDING FOR:
PARK AVENUE
 3180 PARK AVENUE
 BRONX, N.Y.

NEWMAN DESIGN GROUP
 ARCHITECTS • PLANNERS • ENGINEERS
 NDG ARCHITECT, P. C.
 210 WEST ROGUES PATH • GOLD SPRING HILLS, NY 11743
 Tel: 631-673-3111 • Fax: 631-673-2031 • INFO@NEWMANDESIGNGROUP.COM

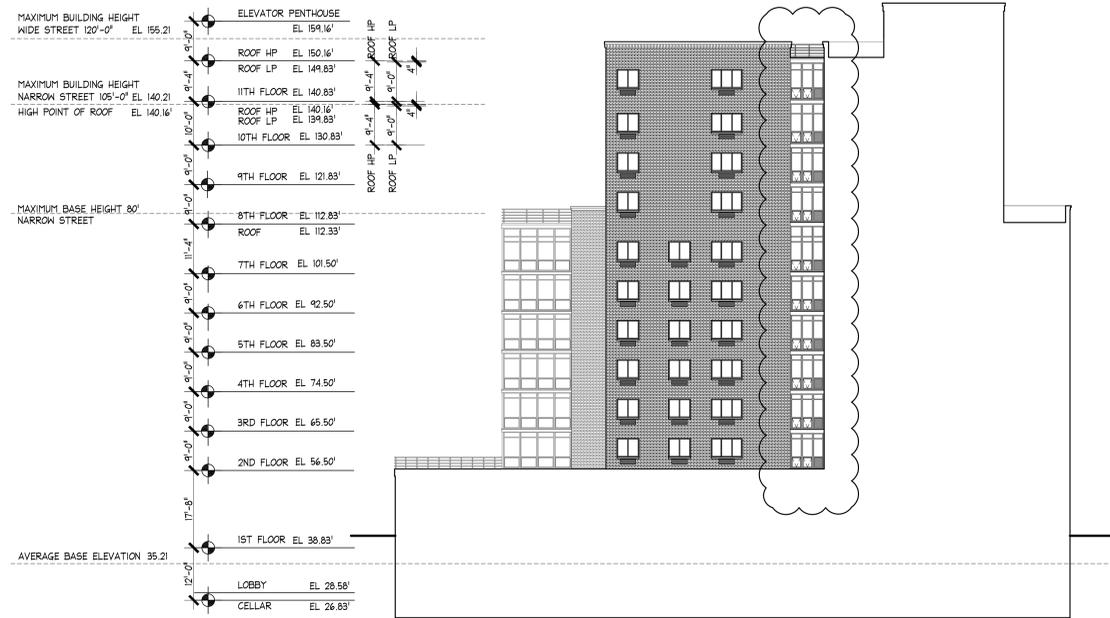
REVISIONS:

NO.	DATE	DESCRIPTION
1	07-28-08	REVISED PER IPD COMMENTS
2	05-09-08	REVISED PER BUILDING DEPT. COMMENTS
3	03-04-08	REVISED PER IPD COMMENTS
4	04-24-07	ISSUED TO BUILDING DEPARTMENT
5	04-24-07	ISSUED PER IPD COMMENTS

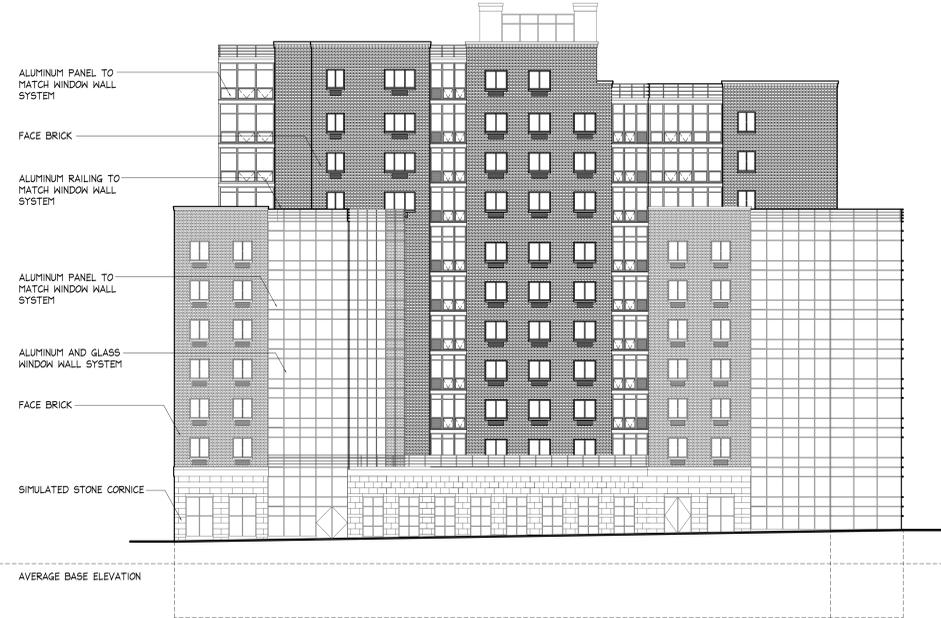
TITLE:
ELEVATIONS

DRAWING NO:
A2.1

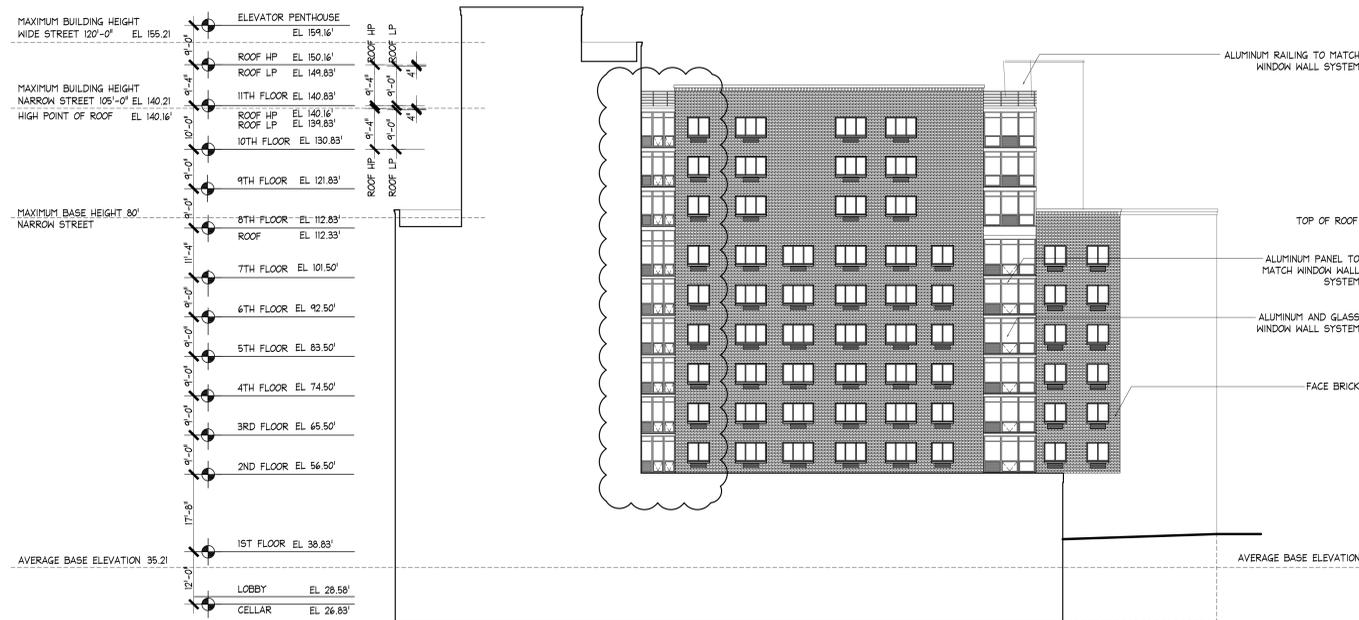
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1 NORTH COURT ELEVATION
Scale: 1/16" = 1'-0"



2 EAST COURT ELEVATION
Scale: 1/16" = 1'-0"



3 SOUTH COURT ELEVATION
Scale: 1/16" = 1'-0"

DATE: 08-18-08
SCALE: 1/16"=1'-0"
DRAWN BY: JK
JOB #: 13-22

PROJECT:
PROPOSED BUILDING FOR:
PARK AVENUE
3180 PARK AVENUE
BRONX, N.Y.

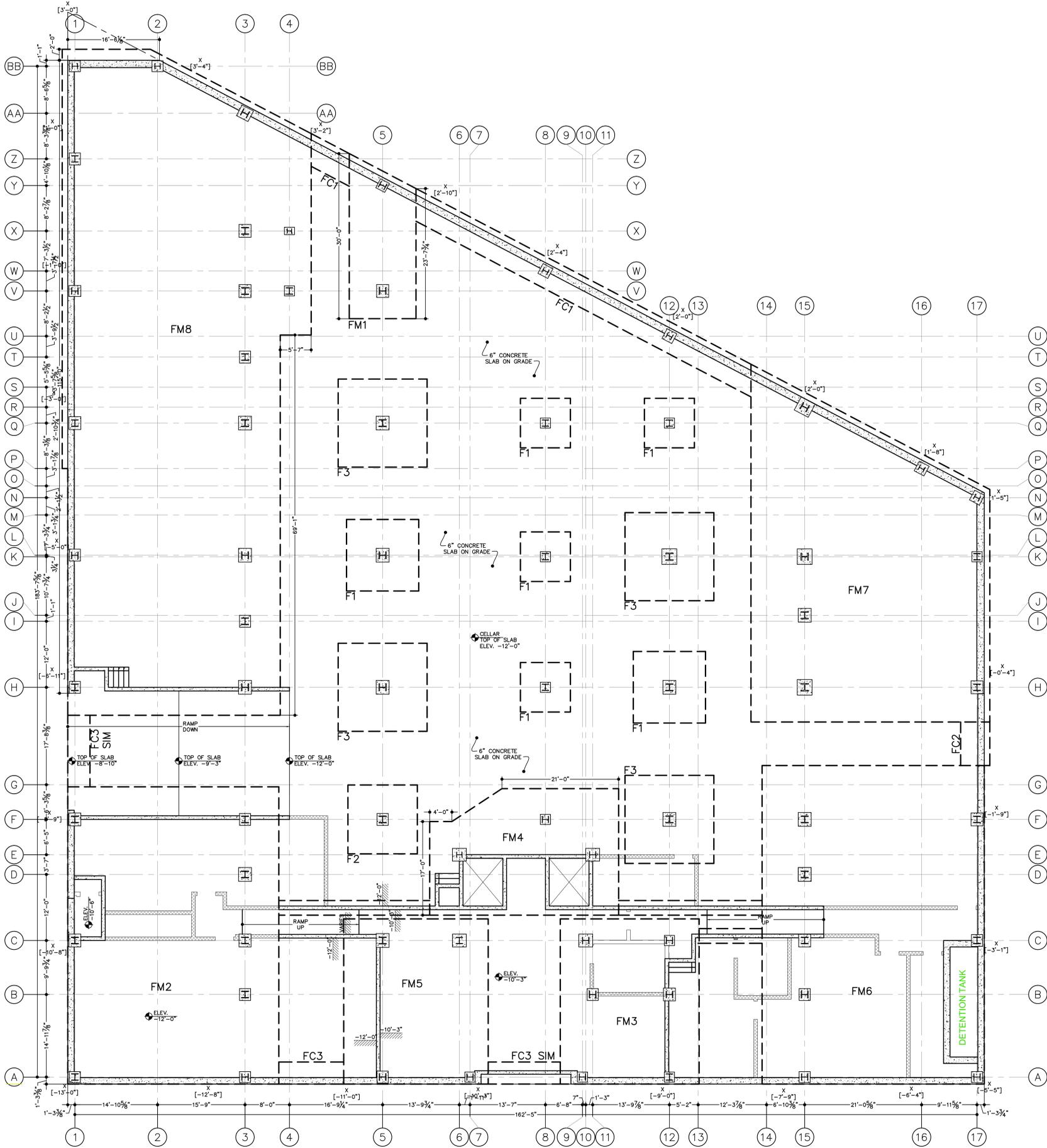
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REVISIONS:

NO.	DATE	DESCRIPTION
1	07-28-08	CONSTRUCTION DOCUMENTS 100% SUBMITTAL
2	08-18-08	REVISED UNIT COUNT AND PARKING
3	09-11-08	REVISED UNIT COUNT AND PARKING
4	10-24-07	REVISED PER BUILDING DEPT. COMMENTS
5	05-09-08	REVISED PER BUILDING DEPT. COMMENTS
6	05-20-08	REVISED PER BUILDING DEPT. COMMENTS
7	06-02-08	REVISED PER BUILDING DEPT. COMMENTS
8	04-26-07	ISSUED TO BUILDING DEPARTMENT
9	04-26-07	REVISED PER IPED COMMENTS
10	03-04-08	REVISED PER IPED COMMENTS

TITLE:
ELEVATIONS

DRAWING NO:
A2.2



REVISED

---	PROPERTY LINE
▬	CONCRETE FOUNDATION WALL
▨	INFILL CMU BLOCK WALL
▬	FOOTING
⋯	CRACK CONTROL JOINT
⊠	FLOOR DRAIN
[X-XX']	EXTERIOR GRADE ELEVATIONS
<X-XX'>	TOP OF WALL ELEVATIONS
□	CONCRETE PIER

FOUNDATION PLAN NOTES:

1. THE THICKNESS OF CONCRETE SLAB SHALL BE 6" THICK IN GARAGE AND 4" THICK IN COMMERCIAL AREA U.N.O.
2. CONTRACTOR TO COORDINATE DRAINAGE SYSTEM AT THE PARKING AREA.
3. ELEVATION 0'-0" ± = ELEVATION 38.83.
4. CONTRACTOR TO NOTIFY ARCHITECT/ENGINEER IF THE FIELD CONDITION IS DIFFERENT FROM ANY ASSUMPTIONS MADE FOR THE DESIGN OF THE FOUNDATION PLAN.
5. TOP OF CONCRETE WALL SHOWN ARE APPROXIMATE 8" ABOVE EXTERIOR GRADE. G.C. TO COORDINATE CONDITION IN FIELD. CONTRACTOR TO VERIFY FIELD CONDITION, AND TO ADJUST ELEVATION PROVIDED.
6. BOTTOM OF FOOTING TO BE DETERMINED BY GEOTECHNICAL ENGINEER DURING SUBGRADE INSPECTION.
7. SHOP DRAWINGS SHALL INCLUDE WALL PROFILE SHOWING TOP OF WALL, TOP OF PLANK, AND TOP OF BRICK SHELF ELEVATION.
8. PROVIDE HAUNCH SLAB ON GRADE (SEE DETAIL ON FO-101) FOR INFILL CMU WALLS SHOWN IN THE DRAWING, BUT FOOTING WAS NOT PROVIDED.
9. WHERE FOOTING IS INTERCHANGING/TRANSITIONING FROM ONE TYPE TO ANOTHER, EXTEND REINFORCING BARS OVERLAP IS 36" MINIMUM.
10. FOR TOP OF PIER ELEVATIONS REFER TO COLUMN SCHEDULE ON S-201.
11. GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL SHORING.
12. SHEETING MAY BE NECESSARY. CONTRACTOR TO COORDINATE IN THE FIELD TO MEET OSHA SAFETY AND REQUIREMENTS.
13. FOOTINGS WITHIN CLOSE APPROXIMATELY MAY BE COMBINED TO REDUCE FORMWORK.
14. G.C. AND SUBCONTRACTOR SHOULD REFER TO ARCHITECTURAL DRAWING FOR BRICK SHELF LOCATION AND ELEVATION.
15. CONTINUE HORIZONTAL WALL REINFORCEMENT PASSING THROUGH CONCRETE PIER.
16. PROVIDE FOOTING DRAINS AS PER RECOMMENDATION BY GEOTECHNICAL ENGINEER.
17. PROVIDE UNDER SLAB DRAINAGE SYSTEM AS PER GEOTECH REPORT DESIGNED BY OTHERS. COORDINATE LOCATION OF DRAINS AND ALL OTHER PIPES WITH FOOTING LOCATIONS.
18. PROVIDE ADEQUATE WATERPROOFING AND WATER STOP ALL AROUND FOUNDATION WALLS AND UNDER SLAB. INSTALL HYDRAULIC RELIEVING WELL IF DEEMED NECESSARY.
19. BASED ON THE PROVIDED SOIL REPORT, FOOTINGS HAS BEEN DESIGNED FOR 3 TONS PER SQUARE FOOT. BOTTOM OF FOOTING SHALL BE DETERMINED BY GEOTECHNICAL ENGINEER DURING SUBGRADE INSPECTION.
20. ALL EXTERIOR GRADES SHOWN ARE TO BE VERIFIED IN THE FIELD.
21. ALL PENETRATIONS THROUGH THE SLAB, FOOTINGS, WALLS, ETC. SHALL BE FORMED WITH DUCTILE IRON PIPE. SUBMIT FINAL PENETRATION PLAN TO E.O.R. FOR REVIEW AND APPROVAL BEFORE INSTALLATION.

DATE: 08-08-14
 SCALE: AS NOTED
 DRAWN BY: S.M.G.
 JOB #: 14112

PROPOSED BUILDING FOR:
PARK AVENUE
 3180 PARK AVENUE
 BRONX, N.Y.

NEWMAN DESIGN GROUP
 ARCHITECTS · PLANNERS · ENGINEERS
 NDG ARCHITECT, P. C.
 210 WEST ROGUES PATH COLD SPRING HILLS, NY 11743
 Tel.: 631-673-3111 • Fax: 631-673-2031 • INFO@NEWMANDESIGNGROUP.COM

REVISIONS:

REV.	DATE	DESCRIPTION
REV 1	08/08/14	ISSUED FOR PERMIT
REV 2	10/07/14	FOUNDATION SET

TITLE:
FOUNDATION PLAN

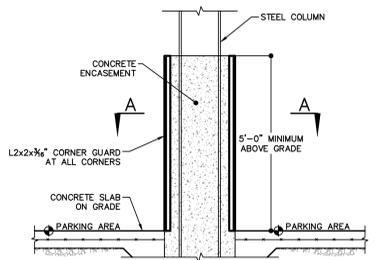
DRAWING NO:
FO-001

FOUNDATION NOTES AND REQUIREMENTS:

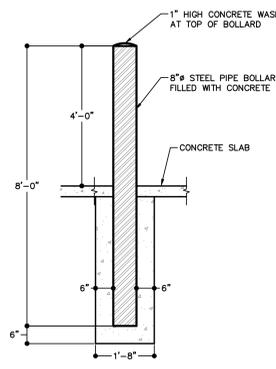
- ELEVATIONS ARE REFERENCED TO FIRST FLOOR SLAB ELEVATION 38.83'-0"±.
- SOIL REPORTS ARE AVAILABLE FROM THE OWNER. CONTRACTOR TO REVIEW IN COMPLIANCE WITH REQUIREMENTS OUTLINED IN THE SOIL REPORT.
- ALL EXPOSED CONCRETE EDGES SHALL BE CHAMFERED.
- WALL CONSTRUCTION JOINTS AND CRACK CONTROL JOINTS SHALL BE PROVIDED AS SHOWN IN DETAIL ON FO-101. ALLOW 3 DAYS BETWEEN ADJACENT CONCRETE POURS. ADDITIONAL CONSTRUCTION JOINTS MAY BE PROVIDED IF REQUESTED BY THE CONTRACTOR.
- HORIZONTAL REINFORCING SHALL BE CONTINUOUS OR OVERLAPPED AS NEEDED ACROSS ALL CONSTRUCTION JOINTS.
- BACKFILL MATERIAL SHALL BE CLEAN SAND OR GRAVEL CONTAINING NO MORE THAN 10% PASSING A NO. 200 SIEVE. BACKFILL SHALL BE COMPACTED TO A MINIMUM OF 95% (ASTM D1557) TO THE FINAL SUBGRADE IN LIFTS OF NO MORE THAN 8 INCH THICKNESS (LOOSE MEASURE) WITH A MECHANICAL COMPACTOR (MINIMUM OF THREE PASSES).
- GENERAL CONTRACTOR/SUBCONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS, LICENSES AND NOTIFICATIONS PRIOR TO COMMENCING SITE WORK.
- GENERAL CONTRACTOR/SUBCONTRACTOR SHALL REMOVE CONSTRUCTION MATERIAL AND DEBRIS FROM THE SITE DURING AND AT THE COMPLETION OF WORK.
- BASED ON THE GEOTECHNICAL ENGINEERING REPORT BY CARLUS SIMPSON & ASSOCIATES DATED FEBRUARY 16 2005, THE FOLLOWING CRITERIA WAS ALLOWED TO USE FOR FOUNDATION DESIGN: 3 TSF
- A 6" LAYER OF ¾" CRUSHED STONE AND CONTINUOUS VAPOR RETARDER IS REQUIRED FOR CONVENTIONAL SLAB ON GRADE.
- BOTTOM OF FOOTING ELEVATION SHALL BE 4'-0" BELOW GRADE EXPOSED TO WEATHER AS PER REQUIREMENTS BY NYC FOR FROST PROTECTION, UNLESS FOOTING IS PINNED TO ROCK.
- CALL ENGINEER/ARCHITECT IF BOTTOM OF FOOTING SUPERIMPOSES EXISTING WALL.
- FOOTING BEARING ON SOIL AND ROCK SHOULD NOT BE INTERMIXED. SEE THE GEOTECHNICAL REPORT FOR THE PREPARATION OF SUBGRADE WHERE FOOTING BEARS ON SOIL AND OCCASIONAL AREAS OF HIGH ROCK.
- GENERAL CONTRACTOR/SUBCONTRACTOR TO PROVIDE CORROSION PROTECTION FOR ALL STRUCTURES SUSCEPTIBLE TO CORROSION, ESPECIALLY BY PARKING AREAS.
- OWNER TO PERFORM MAINTENANCE PROGRAM TO PROTECT STRUCTURE AGAINST WATER DAMAGE AND CORROSION.
- GENERAL CONTRACTOR/SUBCONTRACTOR TO COORDINATE WATERPROOFING WITH ARCHITECTURAL PLAN AT COLD JOINTS IF EXTERIOR GRADE IS HIGHER THAN JOINTS.
- GENERAL CONTRACTOR/SUBCONTRACTOR TO UTILIZE STAY-FORMS OR EQUIVALENT, WHERE NEIGHBORING BUILDING IS IN CLOSE PROXIMITY TO PROPOSED BUILDING, SO NOT TO CREATE ANY PRESSURE ON NEIGHBORING FOUNDATION WALL.

CONCRETE AND REINFORCING NOTES:

- ALL CONCRETE SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH, f'_c , OF 4000 PSI WITH 6% AIR-ENTRAINMENT AND A MAXIMUM SLUMP OF 4".
- ALL CONCRETE SHALL BE REINFORCED AND ERECTED IN ACCORDANCE WITH THE NYC BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE AS ADOPTED BY ACI 318 AND LOCAL CODES.
- ALL CONCRETE WORK SHALL CONFORM TO ACI 301 STANDARD SPECIFICATIONS FOR REINFORCED CONCRETE.
- ALL CONCRETE SHALL USE PORTLAND CEMENT TYPE II. CONCRETE SHALL BE PROPORTIONED, BATCHED, AND MIXED BY METHOD I OR II OF THE NYC BUILDING CODE. SUBMIT MIX DESIGN AND COMPRESSION TEST RESULTS AS REQUIRED. CONCRETE SHALL CONFORM TO CONTROLLED INSPECTION REQUIREMENTS.
- ALL REINFORCING STEEL SHALL BE DEFORMED HIGH BOND BARS ROLLED FROM NEW BILLET OR INTERMEDIATE GRADE STEEL TO MEET LATEST ASTM SPECIFICATIONS A-615, GRADE 60.
- SPLICES SHALL BE IN CONFORMANCE WITH ACI 318-95 AND SPLICE LENGTH TABLES SHOWN ON FO-101, 36 TIMES BAR DIAMETER MINIMUM. WELDED WIRE FABRIC SHEETS SHALL BE SPLICED 8" MINIMUM.
- ALL DETAILS OF REINFORCEMENT AND ACCESSORIES SHALL BE FABRICATED AND PROVIDED IN ACCORDANCE WITH THE MANUAL OF STANDARD PRACTICE FOR CONSTRUCTION.
- HELDED WIRE FABRIC SHALL MEET REQUIREMENTS OF ASTM A-185.
- SHOP DRAWINGS SHALL MEET REQUIREMENTS OF ASTM A-185. SHOP DRAWINGS ON ALL CONCRETE REINFORCING MUST BE SUBMITTED FOR REVIEW BEFORE CONSTRUCTION.
- BEFORE POURING CONCRETE, MECHANICAL AND ELECTRICAL CONTRACTORS SHALL VERIFY LOCATION AND SIZE OF ALL OPENINGS, PADS, TRENCHES, AND SLEEVES FOR THEIR EQUIPMENT, IF ANY.
- PROVIDE CORNER REINFORCEMENT AT WALL INTERSECTIONS AS SHOWN IN TYPICAL CORNER REINFORCING DETAIL.
- ACI 305R-99 SHALL BE FOLLOWED FOR HOT WEATHER CONCRETING AND ACI308R-88 SHALL BE FOLLOWED FOR COLD WEATHER CONCRETING WHEN APPLICABLE.
- MINIMUM COVER SPACING:
 - CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH: 3"
 - CONCRETE EXPOSED TO EARTH/WEATHER: 2"
 - CONCRETE NOT EXPOSED TO EARTH/WEATHER OR IN CONTACT WITH GROUND: 1½"

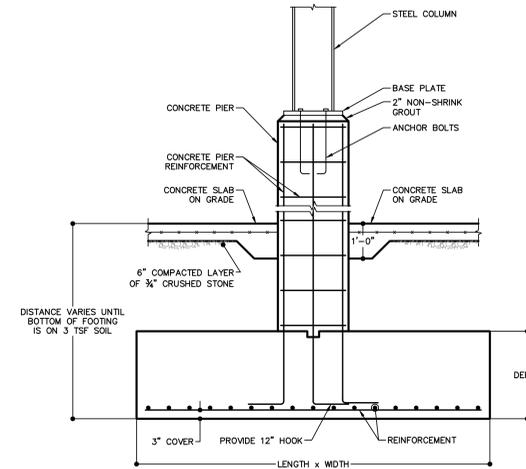


TYPICAL CONCRETE VEHICULAR COLUMN CORNER GUARD DETAIL
N.T.S.



BOLLARD DETAIL
N.T.S.

- NOTES:**
- BOLLARDS SHALL BE PAINTED WITH 2 COATS OF RUST-INHIBITIVE PAINT, INCLUDING A PRIME COAT.
 - ALL CONCRETE SHALL BE CAPABLE TO WITHSTAND 3000 PSI OR GREATER.

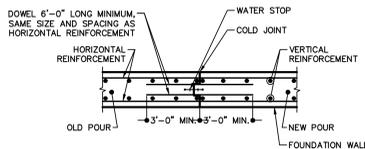


SPREAD FOOTING DETAIL
N.T.S.

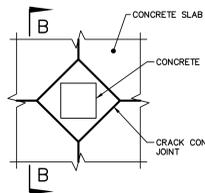
- NOTE:**
- SEE COLUMN SCHEDULE ON S-201 FOR COLUMN, BASE PLATE, PIER, AND ANCHOR BOLTS.

SPREAD FOOTING SCHEDULE

	LENGTH x WIDTH	DEPTH	REINFORCEMENT
F1	9'-0" x 9'-0"	2'-0"	(14) #6 E.W.
F2	12'-6" x 12'-6"	3'-0"	(16) #8 E.W.
F3	16'-0" x 16'-0"	3'-8"	(26) #8 E.W.

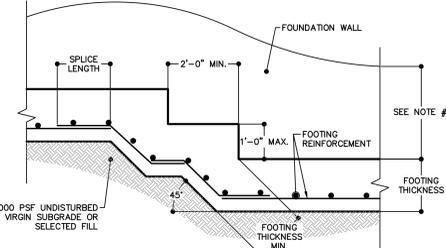


WALL CONSTRUCTION JOINT DETAIL
N.T.S.



CRACK CONTROL JOINT DETAIL
N.T.S.

- NOTE:**
- SAW CUT CRACK CONTROL JOINT AT EACH COLUMN LINE TO EACH OTHER COLUMN LINE OR 20' O.C. MINIMUM.



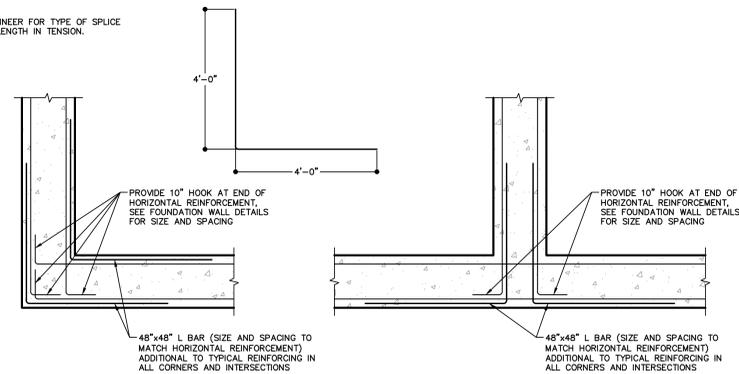
TYPICAL STEP FOOTING DETAIL
N.T.S.

- NOTES:**
- THE LOCATION OF THE STEPS ARE TO BE CONFIRMED IN THE FIELD BASED ON THE MINIMUM 4'-0" OF FROST PROTECTION AND UNDISTURBED SUBGRADE BENEATH.
 - SEE THE GEOTECHNICAL REPORT FOR REQUIREMENTS OF SELECTED FILL.

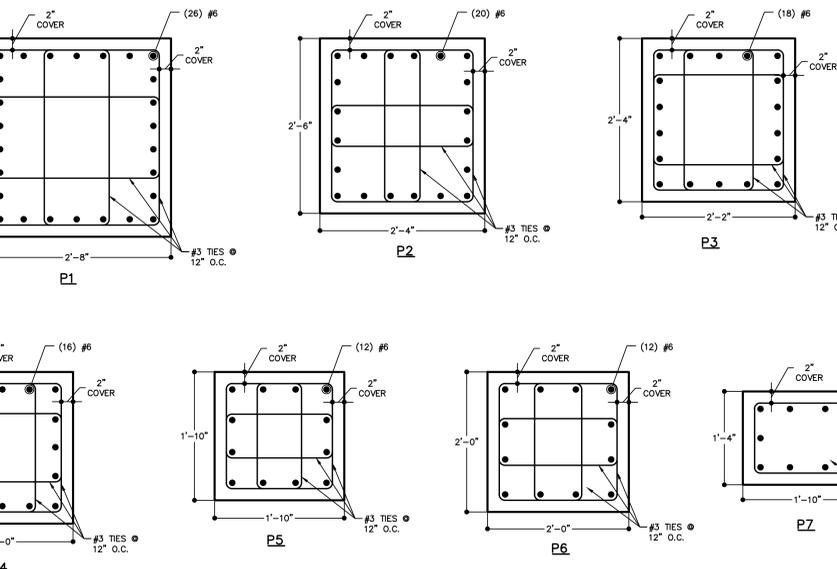
SPLICE LENGTH IN TENSION

BAR SIZE	MIN. SPLICE
#3	1'-3"
#4	1'-7"
#5	2'-0"
#6	2'-5"
#7	3'-6"
#8	4'-0"
#9	4'-6"
#10	5'-0"

- NOTE:**
- O.C. TO CONTACT ARCHITECT/ENGINEER FOR TYPE OF SPLICE LENGTH, OTHERWISE USE SPLICE LENGTH IN TENSION.

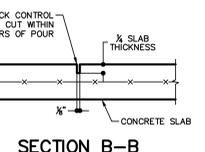
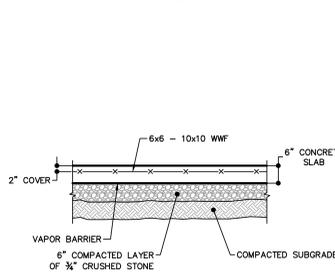


TYPICAL CORNER REINFORCING DETAIL
N.T.S.

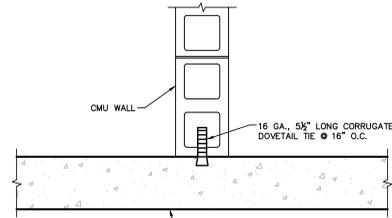


CONCRETE PIER DETAILS

4\"/>



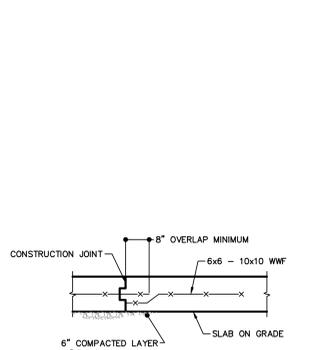
SECTION B-B
N.T.S.



TYPICAL CONCRETE TO CMU CONNECTION DETAIL
N.T.S.

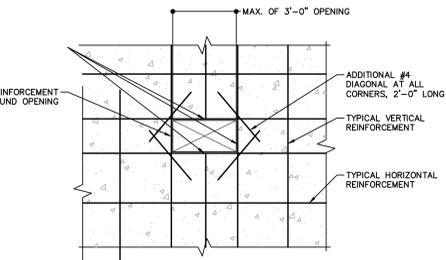
- NOTES:**
- THE CMU AND CONCRETE WALL REINFORCEMENT IS NOT SHOWN FOR CLARITY.
 - THE CORRUGATED DOVETAIL TIE SHALL BE PROVIDED WHEREVER A CMU WALL IS ADJACENT (PARALLEL OR PERPENDICULAR) TO A CONCRETE WALL.

6\"/>



HAUNCH SLAB UNDER NON-BEARING WALL
N.T.S.

- NOTE:**
- PROVIDE HAUNCH SLAB AT LOCATION WHERE FOOTING IS NOT SHOWN IN THE FOUNDATION PLAN, WHERE A NON-BEARING WALL IS PROPOSED.



TYPICAL OPENING IN CONCRETE WALL DETAIL
N.T.S.

HAUNCH SLAB UNDER NON-BEARING WALL AT DIFFERENT ELEVATIONS
N.T.S.

- NOTE:**
- PROVIDE HAUNCH SLAB AT LOCATION WHERE FOOTING IS NOT SHOWN IN THE FOUNDATION PLAN, WHERE A NON-BEARING WALL IS PROPOSED.

SLAB ON GRADE CONSTRUCTION JOINT DETAIL
N.T.S.

- NOTE:**
- PROVIDE HAUNCH SLAB AT LOCATION WHERE FOOTING IS NOT SHOWN IN THE FOUNDATION PLAN, WHERE A NON-BEARING WALL IS PROPOSED.

DATE: 08-08-14
SCALE: AS NOTED
DRAWN BY: S.M.G.
JOB #: 14112

PROJECT: PROPOSED BUILDING FOR:
PARK AVENUE
3160 PARK AVENUE
BRONX, N.Y.

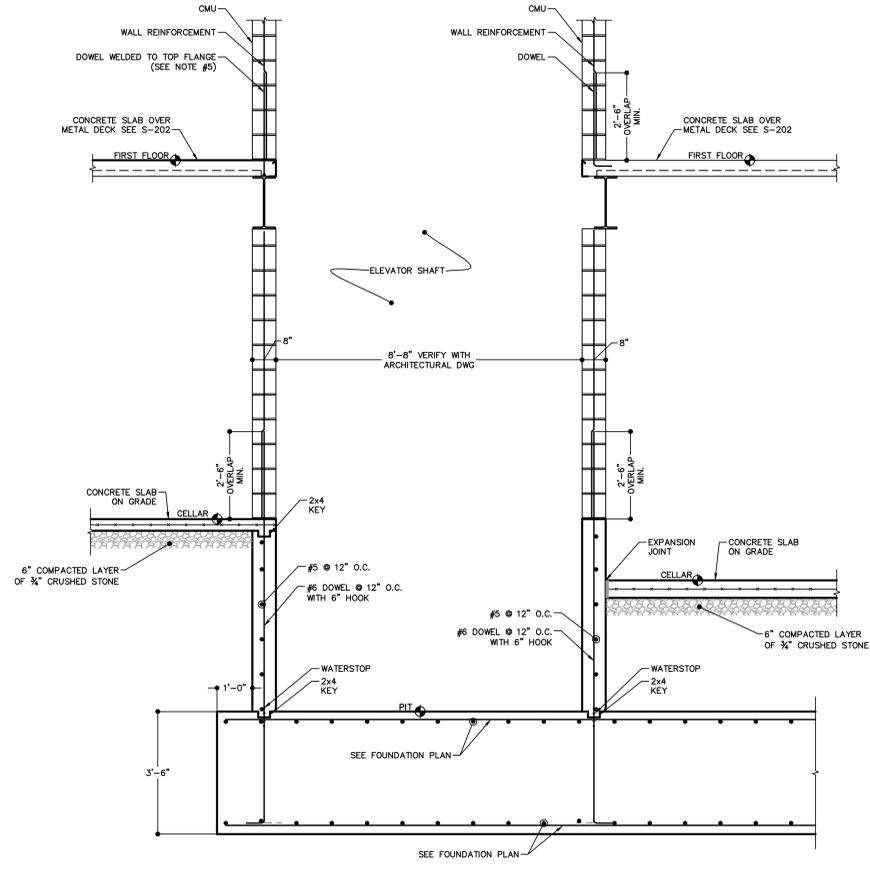
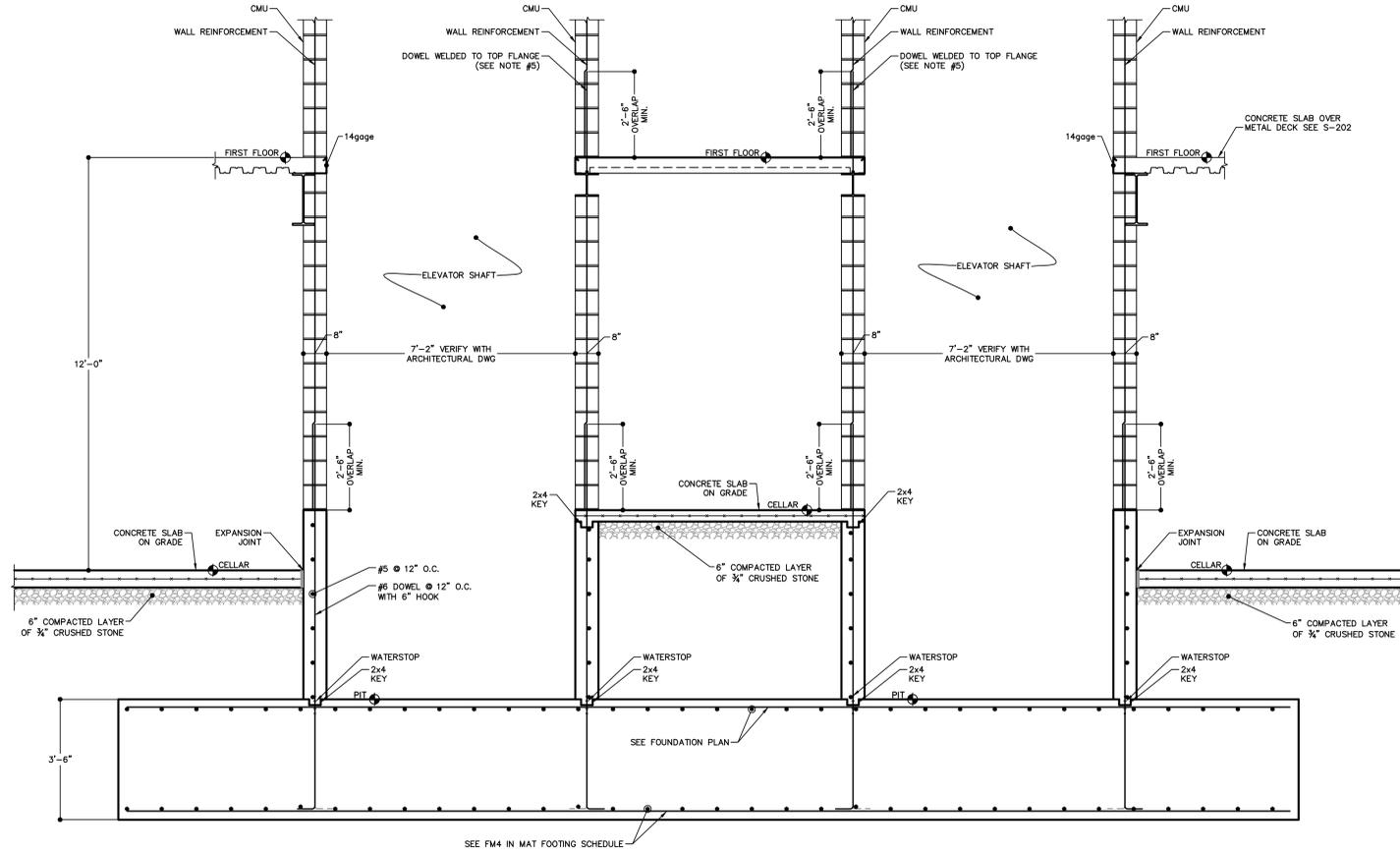
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210 WEST ROGUES PATH
Tel.: 631-673-3111 • Fax: 631-673-2031 • INFO@NEWMANDESIGNGROUP.COM

REVISIONS:

NO.	DATE	DESCRIPTION
REV 1	08/08/14	ISSUED FOR PERMIT
REV 2	10/07/14	FOUNDATION SET

TITLE:
TYPICAL FOUNDATION DETAILS AND NOTES

DRAWING NO:
FO-101



DATE: 08-08-14
 SCALE: AS NOTED
 DRAWN BY: S.M.G.
 JOB #: 14112

PROJECT: PROPOSED BUILDING FOR:
PARK AVENUE
 3180 PARK AVENUE
 BRONX, N.Y.

NEWMAN DESIGN GROUP
 ARCHITECTS • PLANNERS • ENGINEERS
 NDG ARCHITECT, P. C.
 210 WEST ROGUES PATH COLD SPRING HILLS, NY 11743
 Tel.: 631-673-3111 • Fax: 631-673-2031 • INFO@NEWMANDESIGNGROUP.COM

REVISIONS:

REV.	DATE	DESCRIPTION
REV 1	08/08/14	ISSUED FOR PERMIT
REV 2	10/07/14	FOUNDATION SET

TITLE:
ELEVATOR SECTIONS

DRAWING NO:
FO-103



ADJOINING PROPERTIES

3160 PARK AVENUE
BRONX
NEW YORK

FIGURE 4

DATE:	10/31/2014
SCALE:	As Indicated
PROJECT NUMBER:	560944



ALL LOCATIONS APPROXIMATE



One Civic Center Plaza
Suite 501
Poughkeepsie, New York 12601
Phone: (845) 454-2544
Fax: (845) 454-2655

TABLES

Table 1 - Soil Sample Results
 Samples collected on **October 9, 10, and 14, 2014**
 Collected from: **3160 Park Avenue, Bronx, NY**

CHEMICAL NAME	CASRN	PART 375 UNRESTRICTED SCOS	UNIT	PART 375 RESTRICTED-RESIDENTIAL SCOS	UNIT	LOCATION ID SB-1 0-2' 20141009		LOCATION ID SB-1 15-17' 20141010		LOCATION ID SB-2 0-2' 20141009		LOCATION ID SB-2 3-5' 20141009		LOCATION ID SB-3 0-2' 20141009		LOCATION ID SB-3 7-9' 20141009		LOCATION ID SB-4 0-2' 20141014		LOCATION ID SB-4 10-12' 20141014		LOCATION ID SB-5 0-2' 20141014		LOCATION ID SB-5 15-17' 20141014		LOCATION ID SB-6 0-2' 20141014		LOCATION ID SB-6 14-16' 20141014																
						RESULT	UNIT	Q	RESULT	UNIT	Q	RESULT	UNIT	Q	RESULT	UNIT	Q	RESULT	UNIT	Q	RESULT	UNIT	Q	RESULT	UNIT	Q	RESULT	UNIT	Q	RESULT	UNIT	Q	RESULT	UNIT	Q									
SM 2540G																																												
Solids, Percent	SOLID					100000000	mg/kg		100000000	mg/kg		100000000	mg/kg		100000000	mg/kg		100000000	mg/kg		100000000	mg/kg		100000000	mg/kg		100000000	mg/kg		100000000	mg/kg													
Metals; USEPA Method SW610B																																												
Aluminum	7429-90-0					7460	mg/kg		5470	mg/kg		10400	mg/kg		13400	mg/kg		7320	mg/kg		11300	mg/kg		10500	mg/kg		5440	mg/kg		6590	mg/kg		6460	mg/kg		6250	mg/kg		5900	mg/kg				
Antimony	7440-36-0					ND < 0.531	mg/kg	U	ND < 0.524	mg/kg	U	0.973	mg/kg	U	ND < 0.546	mg/kg	U	2.11	mg/kg	U	ND < 0.541	mg/kg	U	ND < 0.543	mg/kg	U	ND < 0.514	mg/kg	U	ND < 0.535	mg/kg	U	6460	mg/kg	U	ND < 0.514	mg/kg	U	ND < 0.531	mg/kg	U			
Arsenic	7440-38-2	13	mg/kg	16	mg/kg	3.76	mg/kg	U	ND < 1.05	mg/kg	U	4.1	mg/kg	U	2.92	mg/kg	U	4.14	mg/kg	U	1.82	mg/kg	U	4.5	mg/kg	U	ND < 1.03	mg/kg	U	5.69	mg/kg	U	ND < 1.03	mg/kg	U	4.67	mg/kg	U	2.04	mg/kg	U			
Barium	7440-39-3	350	mg/kg	400	mg/kg	197	mg/kg	U	19.6	mg/kg	U	146	mg/kg	U	64	mg/kg	U	304	mg/kg	U	88.6	mg/kg	U	312	mg/kg	U	26.8	mg/kg	U	161	mg/kg	U	40	mg/kg	U	581	mg/kg	U	41.5	mg/kg	U			
Beryllium	7440-41-7	7.2	mg/kg	72	mg/kg	ND < 0.106	mg/kg	U	0.243	mg/kg	U	104000	mg/kg	U	ND < 0.109	mg/kg	U	ND < 0.109	mg/kg	U	ND < 0.108	mg/kg	U	ND < 0.109	mg/kg	U	ND < 0.103	mg/kg	U	ND < 0.107	mg/kg	U	ND < 0.103	mg/kg	U	ND < 0.11	mg/kg	U	ND < 0.106	mg/kg	U			
Cadmium	7440-43-9	2.5	mg/kg	4.3	mg/kg	ND < 0.319	mg/kg	U	ND < 0.314	mg/kg	U	ND < 0.313	mg/kg	U	ND < 0.328	mg/kg	U	ND < 0.326	mg/kg	U	ND < 0.325	mg/kg	U	ND < 0.326	mg/kg	U	ND < 0.309	mg/kg	U	ND < 0.321	mg/kg	U	ND < 0.309	mg/kg	U	ND < 0.329	mg/kg	U	ND < 0.318	mg/kg	U			
Calcium	7440-70-2					72400	mg/kg		198000	mg/kg		104000	mg/kg		29100	mg/kg		32800	mg/kg		4980	mg/kg		32300	mg/kg		170000	mg/kg		90600	mg/kg		11300	mg/kg		66900	mg/kg		41300	mg/kg				
Chromium, Total	7440-47-3					14.1	mg/kg		1.45	mg/kg		40.2	mg/kg		21.3	mg/kg		16.2	mg/kg		25.6	mg/kg		21	mg/kg		6.25	mg/kg		13.5	mg/kg		12.4	mg/kg		11.8	mg/kg		8.8	mg/kg				
Cobalt	7440-48-4					4.42	mg/kg		1.68	mg/kg		4.18	mg/kg		10.6	mg/kg		6.35	mg/kg		13.3	mg/kg		8.66	mg/kg		3.15	mg/kg		6.31	mg/kg		6.04	mg/kg		5.72	mg/kg		3.09	mg/kg				
Copper	7440-50-8	50	mg/kg	270	mg/kg	70.8	mg/kg	U	ND < 0.524	mg/kg	U	16	mg/kg	U	17.9	mg/kg	U	31	mg/kg	U	22.4	mg/kg	U	40.5	mg/kg	U	ND < 0.514	mg/kg	U	29.4	mg/kg	U	7.57	mg/kg	U	27.3	mg/kg	U	7.51	mg/kg	U			
Iron	7439-89-6					10200	mg/kg		8860	mg/kg		16100	mg/kg		20400	mg/kg		12900	mg/kg		21800	mg/kg		17700	mg/kg		8900	mg/kg		14100	mg/kg		12800	mg/kg		11300	mg/kg		7210	mg/kg				
Lead	7439-92-1	63	mg/kg	400	mg/kg	145	mg/kg	U	1.54	mg/kg	U	81.5	mg/kg	U	37.8	mg/kg	U	313	mg/kg	U	7.68	mg/kg	U	213	mg/kg	U	2.95	mg/kg	U	167	mg/kg	U	2.61	mg/kg	U	184	mg/kg	U	19.9	mg/kg	U			
Magnesium	7439-95-4					8390	mg/kg		125000	mg/kg		9770	mg/kg		7460	mg/kg		10900	mg/kg		7190	mg/kg		11900	mg/kg		111000	mg/kg		40600	mg/kg		8890	mg/kg		9170	mg/kg		4790	mg/kg				
Manganese	7439-96-5	1600	mg/kg	2000	mg/kg	217	mg/kg	U	955	mg/kg	U	264	mg/kg	U	477	mg/kg	U	246	mg/kg	U	274	mg/kg	U	311	mg/kg	U	613	mg/kg	U	250	mg/kg	U	125	mg/kg	U	269	mg/kg	U	169	mg/kg	U			
Nickel	7440-02-0	30	mg/kg	310	mg/kg	11.8	mg/kg	U	2.79	mg/kg	U	13.9	mg/kg	U	17.9	mg/kg	U	14.9	mg/kg	U	23.7	mg/kg	U	23.1	mg/kg	U	8.07	mg/kg	U	17.7	mg/kg	U	12.9	mg/kg	U	13.9	mg/kg	U	9.31	mg/kg	U			
Potassium	7440-09-7					2320	mg/kg		111	mg/kg		1820	mg/kg		2340	mg/kg		1390	mg/kg		3470	mg/kg		2160	mg/kg		706	mg/kg		1350	mg/kg		1700	mg/kg		1150	mg/kg		1050	mg/kg				
Selenium	7782-49-2	3.9	mg/kg	180	mg/kg	ND < 1.06	mg/kg	U	ND < 1.05	mg/kg	U	ND < 1.04	mg/kg	U	ND < 1.09	mg/kg	U	ND < 1.09	mg/kg	U	ND < 1.08	mg/kg	U	ND < 1.09	mg/kg	U	ND < 1.03	mg/kg	U	ND < 1.07	mg/kg	U	ND < 1.03	mg/kg	U	ND < 1.03	mg/kg	U	ND < 1.1	mg/kg	U	ND < 1.06	mg/kg	U
Silver	7440-22-4	2	mg/kg	180	mg/kg	ND < 0.531	mg/kg	U	ND < 0.524	mg/kg	U	ND < 0.522	mg/kg	U	ND < 0.546	mg/kg	U	ND < 0.543	mg/kg	U	ND < 0.541	mg/kg	U	ND < 0.543	mg/kg	U	ND < 0.514	mg/kg	U	ND < 0.535	mg/kg	U	ND < 0.514	mg/kg	U	ND < 0.548	mg/kg	U	ND < 0.53	mg/kg	U			
Sodium	7440-23-5					383	mg/kg		360	mg/kg		776	mg/kg		239	mg/kg		187	mg/kg		388	mg/kg		215	mg/kg		365	mg/kg		277	mg/kg		96.7	mg/kg		794	mg/kg		341	mg/kg				
Thallium	7440-28-0					ND < 1.06	mg/kg	U	ND < 1.05	mg/kg	U	ND < 1.04	mg/kg	U	ND < 1.09	mg/kg	U	ND < 1.09	mg/kg	U	ND < 1.08	mg/kg	U	ND < 1.09	mg/kg	U	ND < 1.03	mg/kg	U	ND < 1.07	mg/kg	U	ND < 1.03	mg/kg	U	ND < 1.1	mg/kg	U	ND < 1.06	mg/kg	U			
Vanadium	7440-62-2					15.8	mg/kg		4.75	mg/kg		24.4	mg/kg		31.6	mg/kg		23.6	mg/kg		34.1	mg/kg		31	mg/kg		10.2	mg/kg		25.5	mg/kg		15.6	mg/kg		25	mg/kg		9.84	mg/kg				
Zinc	7440-66-6	109	mg/kg	10000	mg/kg	126	mg/kg	U	38.1	mg/kg	U	125	mg/kg	U	55	mg/kg	U	204	mg/kg	U	65.3	mg/kg	U	227	mg/kg	U	29	mg/kg	U	134	mg/kg	U	30.6	mg/kg	U	403	mg/kg	U	22.2	mg/kg	U			
Mercury	7439-97-6	0.18	mg/kg	0.81	mg/kg	0.336	mg/kg	U	ND < 0.0314	mg/kg	U	0.0863	mg/kg	U	0.0527	mg/kg	U	0.254	mg/kg	U	ND < 0.0325	mg/kg	U	0.286	mg/kg	U	ND < 0.0309	mg/kg	U	0.131	mg/kg	U	ND < 0.0309	mg/kg	U	0.135	mg/kg	U	ND < 0.0318	mg/kg	U			
Pesticides USEPA Method SW8081B																																												
Aldrin	309-00-2	0.005	mg/kg	0.097	mg/kg	ND < 0.00175	mg/kg	U	ND < 0.00173	mg/kg	U	ND < 0.00172	mg/kg	U	ND < 0.0018	mg/kg	U	ND < 0.00179	mg/kg	U	ND < 0.00179	mg/kg	U	ND < 0.00179	mg/kg	U	ND < 0.0017	mg/kg	U	ND < 0.00177	mg/kg	U	ND < 0.0017	mg/kg	U	ND < 0.00181	mg/kg	U	ND < 0.00175	mg/kg	U			
Alpha BHC (Alpha Hexachlorocyclohexane)	319-84-6	0.02	mg/kg	0.48	mg/kg	ND < 0.00175	mg/kg	U	ND < 0.00173	mg/kg	U	ND < 0.00172	mg/kg	U	ND < 0.0018	mg/kg	U	ND < 0.00179	mg/kg	U	ND < 0.00179	mg/kg	U	ND < 0.00179	mg/kg	U	ND < 0.0017	mg/kg	U	ND < 0.00177	mg/kg	U	ND < 0.0017	mg/kg	U	ND < 0.00181	mg/kg	U	ND < 0.00175	mg/kg	U			
Alpha Chlordane	5103-71-9	0.094	mg/kg	4.2	mg/kg	0.00286	mg/kg	U	ND < 0.00173	mg/kg	U	ND < 0.00172	mg/kg	U	ND < 0.0018	mg/kg	U	0.0314	mg/kg	U	ND < 0.00179	mg/kg	U	0.00609	mg/kg	U	ND < 0.0017	mg/kg	U	0.00278	mg/kg	U	ND < 0.0017	mg/kg	U	0.00747	mg/kg	U	ND < 0.00175	mg/kg	U			
Alpha Endosulfan	959-98-8	2.4	mg/kg	24	mg/kg	ND < 0.00175	mg/kg	U	ND < 0.00173	mg/kg	U	ND < 0.00172	mg/kg	U	ND < 0.0018	mg/kg	U	ND < 0.00179	mg/kg	U	ND < 0.00179	mg/kg	U	ND < 0.00179	mg/kg	U	ND < 0.0017	mg/kg	U	ND < 0.00177	mg/kg	U	ND < 0.0017	mg/kg	U	ND < 0.00181	mg/kg	U	ND < 0.00175	mg/kg	U			
Beta BHC (Beta Hexachlorocyclohexane)	319-85-7	0.036	mg/kg	0.36	mg/kg	ND < 0.00175	mg/kg	U	ND < 0.00173	mg/kg	U	ND < 0.00172	mg/kg	U	ND < 0.0018	mg/kg	U	ND < 0.00179	mg/kg	U	ND < 0.00179	mg/kg	U	ND < 0.00179	mg/kg	U	ND < 0.0017	mg/kg	U	ND < 0.00177	mg/kg	U	ND < 0.0017	mg/kg	U	ND < 0.00181	mg/kg	U	ND < 0.00175	mg/kg	U			
Beta Endosulfan	33213-65-9	2.4	mg/kg	24	mg/kg	ND < 0.00175	mg/kg	U	ND < 0.00173	mg/kg	U	ND < 0.00172	mg/kg	U	ND < 0.0018	mg/kg	U	ND < 0.00179	mg/kg	U	ND < 0.00179	mg/kg	U	ND < 0.00179	mg/kg	U	ND < 0.0017	mg/kg	U	ND < 0.00177	mg/kg	U	ND < 0.0017	mg										

CHEMICAL NAME	CASRN	PART 375 UNRESTRICTED SCOS	UNIT	PART 375 RESTRICTED-RESIDENTIAL SCOS	UNIT	SB-1 0-2' 20141009		SB-1 15-17' 20141010		SB-2 0-2' 20141009		SB-2 3-5' 20141009		SB-3 0-2' 20141009		SB-3 7-9' 20141009		SB-4 0-2' 20141014		SB-4 10-17' 20141014		SB-5 0-2' 20141014		SB-5 15-17' 20141014		SB-6 0-2' 20141014		SB-6 14-16' 20141014				
						RESULT	UNIT	Q	RESULT	UNIT	Q	RESULT	UNIT	Q	RESULT	UNIT	Q	RESULT	UNIT	Q	RESULT	UNIT	Q	RESULT	UNIT	Q	RESULT	UNIT	Q	RESULT	UNIT	Q
Carbon Tetrachloride	56-23-5	0.76	mg/kg	2.4	mg/kg	ND < 0.0032	mg/kg	U	ND < 0.0023	mg/kg	U	ND < 0.003	mg/kg	U	ND < 0.0022	mg/kg	U	ND < 0.0028	mg/kg	U	ND < 0.0022	mg/kg	U	ND < 0.0023	mg/kg	U	ND < 0.0027	mg/kg	U	ND < 0.0029	mg/kg	U
Chlorobenzene	108-90-7	1.1	mg/kg	100	mg/kg	ND < 0.0032	mg/kg	U	ND < 0.0023	mg/kg	U	ND < 0.003	mg/kg	U	ND < 0.0025	mg/kg	U	ND < 0.0028	mg/kg	U	ND < 0.0022	mg/kg	U	ND < 0.0023	mg/kg	U	ND < 0.0027	mg/kg	U	ND < 0.0029	mg/kg	U
Chloroethane	75-00-3					ND < 0.0032	mg/kg	U	ND < 0.0023	mg/kg	U	ND < 0.003	mg/kg	U	ND < 0.0025	mg/kg	U	ND < 0.0028	mg/kg	U	ND < 0.0022	mg/kg	U	ND < 0.0023	mg/kg	U	ND < 0.0027	mg/kg	U	ND < 0.0029	mg/kg	U
Chloroform	67-66-3	0.37	mg/kg	49	mg/kg	ND < 0.0032	mg/kg	U	ND < 0.0023	mg/kg	U	ND < 0.003	mg/kg	U	ND < 0.0025	mg/kg	U	ND < 0.0028	mg/kg	U	ND < 0.0022	mg/kg	U	ND < 0.0023	mg/kg	U	ND < 0.0027	mg/kg	U	ND < 0.0029	mg/kg	U
Chloromethane	74-87-3					ND < 0.0032	mg/kg	U	ND < 0.0023	mg/kg	U	ND < 0.003	mg/kg	U	ND < 0.0025	mg/kg	U	ND < 0.0028	mg/kg	U	ND < 0.0022	mg/kg	U	ND < 0.0023	mg/kg	U	ND < 0.0027	mg/kg	U	ND < 0.0029	mg/kg	U
Cis-1,2-Dichloroethylene	156-59-2	0.25	mg/kg	100	mg/kg	ND < 0.0032	mg/kg	U	ND < 0.0023	mg/kg	U	ND < 0.003	mg/kg	U	ND < 0.0025	mg/kg	U	ND < 0.0028	mg/kg	U	ND < 0.0022	mg/kg	U	ND < 0.0023	mg/kg	U	ND < 0.0027	mg/kg	U	ND < 0.0029	mg/kg	U
Cis-1,3-Dichloropropene	10061-01-5					ND < 0.0032	mg/kg	U	ND < 0.0023	mg/kg	U	ND < 0.003	mg/kg	U	ND < 0.0025	mg/kg	U	ND < 0.0028	mg/kg	U	ND < 0.0022	mg/kg	U	ND < 0.0023	mg/kg	U	ND < 0.0027	mg/kg	U	ND < 0.0029	mg/kg	U
Dibromochloromethane	124-48-1					ND < 0.0032	mg/kg	U	ND < 0.0023	mg/kg	U	ND < 0.003	mg/kg	U	ND < 0.0025	mg/kg	U	ND < 0.0028	mg/kg	U	ND < 0.0022	mg/kg	U	ND < 0.0023	mg/kg	U	ND < 0.0027	mg/kg	U	ND < 0.0029	mg/kg	U
Dibromomethane	74-95-3					ND < 0.0032	mg/kg	U	ND < 0.0023	mg/kg	U	ND < 0.003	mg/kg	U	ND < 0.0025	mg/kg	U	ND < 0.0028	mg/kg	U	ND < 0.0022	mg/kg	U	ND < 0.0023	mg/kg	U	ND < 0.0027	mg/kg	U	ND < 0.0029	mg/kg	U
Dichlorodifluoromethane	75-71-8					ND < 0.0032	mg/kg	U	ND < 0.0023	mg/kg	U	ND < 0.003	mg/kg	U	ND < 0.0025	mg/kg	U	ND < 0.0028	mg/kg	U	ND < 0.0022	mg/kg	U	ND < 0.0023	mg/kg	U	ND < 0.0027	mg/kg	U	ND < 0.0029	mg/kg	U
Ethylbenzene	100-41-4	1	mg/kg	41	mg/kg	ND < 0.0032	mg/kg	U	ND < 0.0023	mg/kg	U	ND < 0.003	mg/kg	U	ND < 0.0025	mg/kg	U	ND < 0.0028	mg/kg	U	ND < 0.0022	mg/kg	U	ND < 0.0023	mg/kg	U	ND < 0.0027	mg/kg	U	ND < 0.0029	mg/kg	U
Hexachlorobutadiene	87-68-3					ND < 0.0032	mg/kg	U	ND < 0.0023	mg/kg	U	ND < 0.003	mg/kg	U	ND < 0.0025	mg/kg	U	ND < 0.0028	mg/kg	U	ND < 0.0022	mg/kg	U	ND < 0.0023	mg/kg	U	ND < 0.0027	mg/kg	U	ND < 0.0029	mg/kg	U
Isopropylbenzene (Cumene)	98-82-8					ND < 0.0032	mg/kg	U	ND < 0.0023	mg/kg	U	ND < 0.003	mg/kg	U	ND < 0.0025	mg/kg	U	ND < 0.0028	mg/kg	U	ND < 0.0022	mg/kg	U	ND < 0.0023	mg/kg	U	ND < 0.0027	mg/kg	U	ND < 0.0029	mg/kg	U
M And P Xylenes	79601-23-1					ND < 0.0064	mg/kg	U	ND < 0.0047	mg/kg	U	ND < 0.0061	mg/kg	U	ND < 0.005	mg/kg	U	ND < 0.0043	mg/kg	U	ND < 0.0056	mg/kg	U	ND < 0.0044	mg/kg	U	ND < 0.0046	mg/kg	U	ND < 0.0057	mg/kg	U
Methyl Acetate	79-20-9					ND < 0.0032	mg/kg	U	ND < 0.0023	mg/kg	U	ND < 0.003	mg/kg	U	ND < 0.0025	mg/kg	U	ND < 0.0028	mg/kg	U	ND < 0.0022	mg/kg	U	ND < 0.0023	mg/kg	U	ND < 0.0027	mg/kg	U	ND < 0.0029	mg/kg	U
Methyl Ethyl Ketone (2-Butanone)	78-93-3	0.12	mg/kg	100	mg/kg	ND < 0.0032	mg/kg	U	ND < 0.0023	mg/kg	U	ND < 0.003	mg/kg	U	ND < 0.0025	mg/kg	U	ND < 0.0028	mg/kg	U	ND < 0.0022	mg/kg	U	ND < 0.0023	mg/kg	U	ND < 0.0027	mg/kg	U	ND < 0.0029	mg/kg	U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1					ND < 0.0032	mg/kg	U	ND < 0.0023	mg/kg	U	ND < 0.003	mg/kg	U	ND < 0.0025	mg/kg	U	ND < 0.0028	mg/kg	U	ND < 0.0022	mg/kg	U	ND < 0.0023	mg/kg	U	ND < 0.0027	mg/kg	U	ND < 0.0029	mg/kg	U
Methyl Tert-Butyl Ether (MTBE)	1634-04-4	0.93	mg/kg	100	mg/kg	ND < 0.0032	mg/kg	U	ND < 0.0023	mg/kg	U	ND < 0.003	mg/kg	U	ND < 0.0025	mg/kg	U	ND < 0.0028	mg/kg	U	ND < 0.0022	mg/kg	U	ND < 0.0023	mg/kg	U	ND < 0.0027	mg/kg	U	ND < 0.0029	mg/kg	U
Methylene Chloride	75-09-2	0.05	mg/kg	100	mg/kg	ND < 0.0064	mg/kg	U	ND < 0.0047	mg/kg	U	ND < 0.0061	mg/kg	U	ND < 0.005	mg/kg	U	ND < 0.0043	mg/kg	U	ND < 0.0056	mg/kg	U	ND < 0.0044	mg/kg	U	ND < 0.0046	mg/kg	U	ND < 0.0057	mg/kg	U
N-Butylbenzene	104-51-8	12	mg/kg	100	mg/kg	ND < 0.0032	mg/kg	U	ND < 0.0023	mg/kg	U	ND < 0.003	mg/kg	U	ND < 0.0025	mg/kg	U	ND < 0.0028	mg/kg	U	ND < 0.0022	mg/kg	U	ND < 0.0023	mg/kg	U	ND < 0.0027	mg/kg	U	ND < 0.0029	mg/kg	U
N-Propylbenzene	103-65-1	3.9	mg/kg	100	mg/kg	ND < 0.0032	mg/kg	U	ND < 0.0023	mg/kg	U	ND < 0.003	mg/kg	U	ND < 0.0025	mg/kg	U	ND < 0.0028	mg/kg	U	ND < 0.0022	mg/kg	U	ND < 0.0023	mg/kg	U	ND < 0.0027	mg/kg	U	ND < 0.0029	mg/kg	U
O-Xylene (1,2-Dimethylbenzene)	95-47-6					ND < 0.0032	mg/kg	U	ND < 0.0023	mg/kg	U	ND < 0.003	mg/kg	U	ND < 0.0025	mg/kg	U	ND < 0.0028	mg/kg	U	ND < 0.0022	mg/kg	U	ND < 0.0023	mg/kg	U	ND < 0.0027	mg/kg	U	ND < 0.0029	mg/kg	U
P-Cymene (P-Isopropyltoluene)	CYMP					ND < 0.0032	mg/kg	U	ND < 0.0023	mg/kg	U	ND < 0.003	mg/kg	U	ND < 0.0025	mg/kg	U	ND < 0.0028	mg/kg	U	0.0055	mg/kg	J	ND < 0.0022	mg/kg	U	ND < 0.0023	mg/kg	U	ND < 0.0027	mg/kg	U
Sec-Butylbenzene	135-98-8	11	mg/kg	100	mg/kg	ND < 0.0032	mg/kg	U	ND < 0.0023	mg/kg	U	ND < 0.003	mg/kg	U	ND < 0.0025	mg/kg	U	ND < 0.0028	mg/kg	U	ND < 0.0022	mg/kg	U	ND < 0.0023	mg/kg	U	ND < 0.0027	mg/kg	U	ND < 0.0029	mg/kg	U
Styrene	100-42-5					ND < 0.0032	mg/kg	U	ND < 0.0023	mg/kg	U	ND < 0.003	mg/kg	U	ND < 0.0025	mg/kg	U	ND < 0.0028	mg/kg	U	ND < 0.0022	mg/kg	U	ND < 0.0023	mg/kg	U	ND < 0.0027	mg/kg	U	ND < 0.0029	mg/kg	U
T-Butylbenzene	98-06-6	5.9	mg/kg	100	mg/kg	ND < 0.0032	mg/kg	U	ND < 0.0023	mg/kg	U	ND < 0.003	mg/kg	U	ND < 0.0025	mg/kg	U	ND < 0.0028	mg/kg	U	ND < 0.0022	mg/kg	U	ND < 0.0023	mg/kg	U	ND < 0.0027	mg/kg	U	ND < 0.0029	mg/kg	U
Tert-Butyl Alcohol	75-65-0					ND < 0.0032	mg/kg	U	ND < 0.0023	mg/kg	U	ND < 0.003	mg/kg	U	ND < 0.0025	mg/kg	U	ND < 0.0028	mg/kg	U	ND < 0.0022	mg/kg	U	ND < 0.0023	mg/kg	U	ND < 0.0027	mg/kg	U	ND < 0.0029	mg/kg	U
Tetrachloroethylene (PCE)	127-18-4	1.3	mg/kg	19	mg/kg	ND < 0.0032	mg/kg	U	ND < 0.0023	mg/kg	U	ND < 0.003	mg/kg	U	ND < 0.0025	mg/kg	U	ND < 0.0028	mg/kg	U	ND < 0.0022	mg/kg	U	ND < 0.0023	mg/kg	U	ND < 0.0027	mg/kg	U	ND < 0.0029	mg/kg	U
Toluene	108-88-3	0.7	mg/kg	100	mg/kg	ND < 0.0032	mg/kg	U	ND < 0.0023	mg/kg	U	ND < 0.003	mg/kg	U	ND < 0.0025	mg/kg	U	ND < 0.0028	mg/kg	U	ND < 0.0022	mg/kg	U	ND < 0.0023	mg/kg	U	ND < 0.0027	mg/kg	U	ND < 0.0029	mg/kg	U
Trans-1,2-Dichloroethene	156-60-5	0.19	mg/kg	100	mg/kg	ND < 0.0032	mg/kg	U	ND < 0.0023	mg/kg	U	ND < 0.003	mg/kg	U	ND < 0.0025	mg/kg	U	ND < 0.0028	mg/kg	U	ND < 0.0022	mg/kg	U	ND < 0.0023	mg/kg	U	ND < 0.0027	mg/kg	U	ND < 0.0029	mg/kg	U
Trans-1,3-Dichloropropene	10061-02-6					ND < 0.0032	mg/kg	U	ND < 0.0023	mg/kg	U	ND < 0.003	mg/kg	U	ND < 0.0025	mg/kg	U	ND < 0.0028	mg/kg	U	ND < 0.0022	mg/kg	U	ND < 0.0023	mg/kg	U	ND < 0.0027	mg/kg	U	ND < 0.0029	mg/kg	U
Trichloroethylene (TCE)	79-01-6	0.47	mg/kg	21	mg/kg	ND < 0.0032	mg/kg	U	ND < 0.0023	mg/kg	U	ND < 0.003	mg/kg	U	ND < 0.0025	mg/kg	U	ND < 0.0028	mg/kg	U	ND < 0.0022	mg/kg	U	ND < 0.0023	mg/kg	U	ND < 0.0027	mg/kg	U	ND < 0.0029	mg/kg	U
Trichlorofluoromethane	75-69-4					ND < 0.0032	mg/kg	U	ND < 0.0023	mg/kg	U	ND < 0.003	mg/kg	U	ND < 0.0025	mg/kg	U	ND < 0.0028	mg/kg	U	ND < 0.0022	mg/kg	U	ND < 0.0023	mg/kg	U	ND < 0.0027	mg/kg	U	ND < 0.0029	mg/kg	U
Vinyl Chloride	75-01-4	0.02	mg/kg	0.9	mg/kg	ND < 0.0032	mg/kg	U	ND < 0.0023	mg/kg	U	ND < 0.003	mg/kg	U	ND < 0.0025	mg/kg	U	ND < 0.0028	mg/kg	U	ND < 0.0022	mg/kg										

LOCATION ID		SB-1	SB-1	SB-2	SB-2	SB-3	SB-3	SB-4	SB-4	SB-5	SB-5	SB-6	SB-6																												
SAMPLE ID		SB-1 0-2' 20141009	SB-1 15-17' 20141010	SB-2 0-2' 20141009	SB-2 3-5' 20141009	SB-3 0-2' 20141009	SB-3 7-9' 20141009	SB-4 0-2' 20141014	SB-4 10-12' 20141014	SB-5 0-2' 20141014	SB-5 15-17' 20141014	SB-6 0-2' 20141014	SB-6 14-16' 20141014																												
SAMPLE DATE		10/9/2014	10/10/2014	10/9/2014	10/9/2014	10/9/2014	10/9/2014	10/14/2014	10/14/2014	10/14/2014	10/14/2014	10/14/2014	10/14/2014																												
SAMPLE START DEPTH		0	15	0	3	0	7	0	10	0	15	0	14																												
SAMPLE END DEPTH		2	17	2	5	2	9	2	12	2	17	2	16																												
DEPTH UNIT		ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft																												
CHEMICAL NAME	CASRN	PART 375 UNRESTRICTED SCOS	UNIT	PART 375 RESTRICTED-RESIDENTIAL SCOS	UNIT	SB-1		SB-1		SB-2		SB-2		SB-3		SB-3		SB-4		SB-4		SB-5		SB-5		SB-6		SB-6													
						RESULT	UNIT	Q	RESULT	UNIT	Q	RESULT	UNIT	Q	RESULT	UNIT	Q	RESULT	UNIT	Q	RESULT	UNIT	Q	RESULT	UNIT	Q	RESULT	UNIT	Q	RESULT	UNIT	Q									
Chrysene	218-01-9	1	mg/kg	3.9	mg/kg	3.6	mg/kg	D	ND < 0.044	mg/kg	U	0.317	mg/kg	JD	0.0582	mg/kg	J	6.1	mg/kg	JD	ND < 0.0454	mg/kg	U	4.76	mg/kg	D	ND < 0.0432	mg/kg	U	0.269	mg/kg	U	ND < 0.0432	mg/kg	U	7.04	mg/kg	D	ND < 0.0891	mg/kg	U
Dibenz(A,H)Anthracene	53-70-3	0.33	mg/kg	0.33	mg/kg	ND < 0.446	mg/kg	U	ND < 0.044	mg/kg	U	ND < 0.219	mg/kg	U	ND < 0.0459	mg/kg	U	ND < 1.71	mg/kg	U	ND < 0.0454	mg/kg	U	0.59	mg/kg	JD	ND < 0.0432	mg/kg	U	ND < 0.045	mg/kg	U	ND < 0.0432	mg/kg	U	ND < 0.921	mg/kg	U	ND < 0.0891	mg/kg	U
Dibenzofuran	132-64-9	7	mg/kg	59	mg/kg	ND < 0.446	mg/kg	U	ND < 0.044	mg/kg	U	ND < 0.219	mg/kg	U	ND < 0.0459	mg/kg	U	ND < 1.71	mg/kg	U	ND < 0.0454	mg/kg	U	ND < 0.456	mg/kg	U	ND < 0.0432	mg/kg	U	ND < 0.045	mg/kg	U	ND < 0.0432	mg/kg	U	ND < 0.921	mg/kg	U	ND < 0.0891	mg/kg	U
Diethyl Phthalate	84-66-2					ND < 0.446	mg/kg	U	ND < 0.044	mg/kg	U	ND < 0.219	mg/kg	U	ND < 0.0459	mg/kg	U	ND < 1.71	mg/kg	U	ND < 0.0454	mg/kg	U	ND < 0.456	mg/kg	U	ND < 0.0432	mg/kg	U	ND < 0.045	mg/kg	U	ND < 0.0432	mg/kg	U	ND < 0.921	mg/kg	U	ND < 0.0891	mg/kg	U
Dimethyl Phthalate	131-11-3					ND < 0.446	mg/kg	U	ND < 0.044	mg/kg	U	ND < 0.219	mg/kg	U	ND < 0.0459	mg/kg	U	ND < 1.71	mg/kg	U	ND < 0.0454	mg/kg	U	ND < 0.456	mg/kg	U	ND < 0.0432	mg/kg	U	ND < 0.045	mg/kg	U	ND < 0.0432	mg/kg	U	ND < 0.921	mg/kg	U	ND < 0.0891	mg/kg	U
Di-N-Butyl Phthalate	84-74-2					ND < 0.446	mg/kg	U	ND < 0.044	mg/kg	U	ND < 0.219	mg/kg	U	ND < 0.0459	mg/kg	U	ND < 1.71	mg/kg	U	ND < 0.0454	mg/kg	U	ND < 0.456	mg/kg	U	ND < 0.0432	mg/kg	U	ND < 0.045	mg/kg	U	ND < 0.0432	mg/kg	U	ND < 0.921	mg/kg	U	ND < 0.0891	mg/kg	U
Di-N-Octylphthalate	117-84-0					ND < 0.446	mg/kg	U	ND < 0.044	mg/kg	U	ND < 0.219	mg/kg	U	ND < 0.0459	mg/kg	U	ND < 1.71	mg/kg	U	ND < 0.0454	mg/kg	U	ND < 0.456	mg/kg	U	ND < 0.0432	mg/kg	U	ND < 0.045	mg/kg	U	ND < 0.0432	mg/kg	U	ND < 0.921	mg/kg	U	ND < 0.0891	mg/kg	U
Fluoranthene	206-44-0	100	mg/kg	100	mg/kg	5.08	mg/kg	D	ND < 0.044	mg/kg	U	0.510	mg/kg	JD	0.107	mg/kg	J	12.1	mg/kg	D	ND < 0.0454	mg/kg	U	8.58	mg/kg	D	ND < 0.0432	mg/kg	U	0.432	mg/kg	U	ND < 0.0432	mg/kg	U	12.6	mg/kg	D	ND < 0.0891	mg/kg	U
Fluorene	86-73-7	30	mg/kg	100	mg/kg	ND < 0.446	mg/kg	U	ND < 0.044	mg/kg	U	ND < 0.219	mg/kg	U	ND < 0.0459	mg/kg	U	ND < 1.71	mg/kg	U	ND < 0.0454	mg/kg	U	0.543	mg/kg	JD	ND < 0.0432	mg/kg	U	ND < 0.045	mg/kg	U	ND < 0.0432	mg/kg	U	ND < 0.921	mg/kg	U	ND < 0.0891	mg/kg	U
Hexachlorobenzene	118-74-1	0.33	mg/kg	1.2	mg/kg	ND < 0.446	mg/kg	U	ND < 0.044	mg/kg	U	ND < 0.219	mg/kg	U	ND < 0.0459	mg/kg	U	ND < 1.71	mg/kg	U	ND < 0.0454	mg/kg	U	ND < 0.456	mg/kg	U	ND < 0.0432	mg/kg	U	ND < 0.045	mg/kg	U	ND < 0.0432	mg/kg	U	ND < 0.921	mg/kg	U	ND < 0.0891	mg/kg	U
Hexachlorobutadiene	87-68-3					ND < 0.446	mg/kg	U	ND < 0.044	mg/kg	U	ND < 0.219	mg/kg	U	ND < 0.0459	mg/kg	U	ND < 1.71	mg/kg	U	ND < 0.0454	mg/kg	U	ND < 0.456	mg/kg	U	ND < 0.0432	mg/kg	U	ND < 0.045	mg/kg	U	ND < 0.0432	mg/kg	U	ND < 0.921	mg/kg	U	ND < 0.0891	mg/kg	U
Hexachlorocyclopentadiene	77-47-4					ND < 0.893	mg/kg	U	ND < 0.088	mg/kg	U	ND < 0.438	mg/kg	U	ND < 0.0917	mg/kg	U	ND < 3.42	mg/kg	U	ND < 0.0909	mg/kg	U	ND < 0.912	mg/kg	U	ND < 0.0864	mg/kg	U	ND < 0.09	mg/kg	U	ND < 0.0864	mg/kg	U	ND < 1.84	mg/kg	U	ND < 0.178	mg/kg	U
Hexachloroethane	67-72-1					ND < 0.446	mg/kg	U	ND < 0.044	mg/kg	U	ND < 0.219	mg/kg	U	ND < 0.0459	mg/kg	U	ND < 1.71	mg/kg	U	ND < 0.0454	mg/kg	U	ND < 0.456	mg/kg	U	ND < 0.0432	mg/kg	U	ND < 0.045	mg/kg	U	ND < 0.0432	mg/kg	U	ND < 0.921	mg/kg	U	ND < 0.0891	mg/kg	U
Indeno(1,2,3-C,D)Pyrene	193-39-5	0.5	mg/kg	0.5	mg/kg	1.67	mg/kg	JD	ND < 0.044	mg/kg	U	ND < 0.219	mg/kg	U	ND < 0.0459	mg/kg	U	ND < 1.71	mg/kg	U	ND < 0.0454	mg/kg	U	1.57	mg/kg	JD	ND < 0.0432	mg/kg	U	0.0718	mg/kg	J	ND < 0.0432	mg/kg	U	1.42	mg/kg	JD	ND < 0.0891	mg/kg	U
Isophorone	78-59-1					ND < 0.446	mg/kg	U	ND < 0.044	mg/kg	U	ND < 0.219	mg/kg	U	ND < 0.0459	mg/kg	U	ND < 1.71	mg/kg	U	ND < 0.0454	mg/kg	U	ND < 0.456	mg/kg	U	ND < 0.0432	mg/kg	U	ND < 0.045	mg/kg	U	ND < 0.0432	mg/kg	U	ND < 0.921	mg/kg	U	ND < 0.0891	mg/kg	U
Naphthalene	91-20-3	12	mg/kg	100	mg/kg	ND < 0.446	mg/kg	U	ND < 0.044	mg/kg	U	ND < 0.219	mg/kg	U	ND < 0.0459	mg/kg	U	ND < 1.71	mg/kg	U	ND < 0.0454	mg/kg	U	ND < 0.456	mg/kg	U	ND < 0.0432	mg/kg	U	ND < 0.045	mg/kg	U	ND < 0.0432	mg/kg	U	ND < 0.921	mg/kg	U	ND < 0.0891	mg/kg	U
Nitrobenzene	98-95-3					ND < 0.446	mg/kg	U	ND < 0.044	mg/kg	U	ND < 0.219	mg/kg	U	ND < 0.0459	mg/kg	U	ND < 1.71	mg/kg	U	ND < 0.0454	mg/kg	U	ND < 0.456	mg/kg	U	ND < 0.0432	mg/kg	U	ND < 0.045	mg/kg	U	ND < 0.0432	mg/kg	U	ND < 0.921	mg/kg	U	ND < 0.0891	mg/kg	U
N-Nitrosodimethylamine	62-75-9					ND < 0.893	mg/kg	U	ND < 0.088	mg/kg	U	ND < 0.438	mg/kg	U	ND < 0.0917	mg/kg	U	ND < 3.42	mg/kg	U	ND < 0.0909	mg/kg	U	ND < 0.912	mg/kg	U	ND < 0.0864	mg/kg	U	ND < 0.09	mg/kg	U	ND < 0.0864	mg/kg	U	ND < 1.84	mg/kg	U	ND < 0.178	mg/kg	U
N-Nitrosodi-N-Propylamine	621-64-7					ND < 0.446	mg/kg	U	ND < 0.044	mg/kg	U	ND < 0.219	mg/kg	U	ND < 0.0459	mg/kg	U	ND < 1.71	mg/kg	U	ND < 0.0454	mg/kg	U	ND < 0.456	mg/kg	U	ND < 0.0432	mg/kg	U	ND < 0.045	mg/kg	U	ND < 0.0432	mg/kg	U	ND < 0.921	mg/kg	U	ND < 0.0891	mg/kg	U
N-Nitrosodiphenylamine	86-30-6					ND < 0.446	mg/kg	U	ND < 0.044	mg/kg	U	ND < 0.219	mg/kg	U	ND < 0.0459	mg/kg	U	ND < 1.71	mg/kg	U	ND < 0.0454	mg/kg	U	ND < 0.456	mg/kg	U	ND < 0.0432	mg/kg	U	ND < 0.045	mg/kg	U	ND < 0.0432	mg/kg	U	ND < 0.921	mg/kg	U	ND < 0.0891	mg/kg	U
Pentachlorophenol	87-86-5	0.8	mg/kg	6.7	mg/kg	ND < 0.893	mg/kg	U	ND < 0.088	mg/kg	U	ND < 0.438	mg/kg	U	ND < 0.0917	mg/kg	U	ND < 3.42	mg/kg	U	ND < 0.0909	mg/kg	U	ND < 0.912	mg/kg	U	ND < 0.0864	mg/kg	U	ND < 0.09	mg/kg	U	ND < 0.0864	mg/kg	U	ND < 1.84	mg/kg	U	ND < 0.178	mg/kg	U
Phenanthrene	85-01-8	100	mg/kg	100	mg/kg	0.942	mg/kg	JD	ND < 0.044	mg/kg	U	0.416	mg/kg	JD	0.0852	mg/kg	J	9.32	mg/kg	D	ND < 0.0454	mg/kg	U	6.35	mg/kg	D	ND < 0.0432	mg/kg	U	0.241	mg/kg	U	ND < 0.0432	mg/kg	U	6.37	mg/kg	D	ND < 0.0891	mg/kg	U
Phenol	108-95-2	0.33	mg/kg	100	mg/kg	ND < 0.446	mg/kg	U	ND < 0.044	mg/kg	U	ND < 0.219	mg/kg	U	ND < 0.0459	mg/kg	U	ND < 1.71	mg/kg	U	ND < 0.0454	mg/kg	U	ND < 0.456	mg/kg	U	ND < 0.0432	mg/kg	U	ND < 0.045	mg/kg	U	ND < 0.0432	mg/kg	U	ND < 0.921	mg/kg	U	ND < 0.0891	mg/kg	U
Pyrene	129-00-0	100	mg/kg	100	mg/kg	5.47	mg/kg	D	ND < 0.044	mg/kg	U	0.501	mg/kg	JD	0.124	mg/kg	J	13.3	mg/kg	D	ND < 0.0454	mg/kg	U	9.64	mg/kg	D	ND < 0.0432	mg/kg	U	0.396	mg/kg	U	ND < 0.0432	mg/kg	U	10.8	mg/kg	D	ND < 0.0891	mg/kg	U

Standards are for soils according to NYSDEC Part 375, Unrestricted Use Soil Cleanup Objectives;

Standards are for soils according to NYSDEC Part 375, Restricted-Residential Use Soil Cleanup Objectives;

Yellow shading designates those compounds detected at concentrations exceeding NYSDEC Unrestricted Use Limit;

Red shading designates those compounds detected at concentrations exceeding NYSDEC Restricted-Residential Limits;

< = Not detected, detection limit listed;

NE = No standard established.

Table 2 - Groundwater Sample Results
 Collected on **October 20, 2014**
 Collected from **3160 Park Avenue, Bronx, NY**

CHEMICAL NAME	CASRN	CLASS GA GROUNDWATER STANDARD	UNIT	FRACTION	LOCATION ID SAMPLE ID SAMPLE DATE		MW-1 MW-1-20141020 10/20/2014		MW-2 MW-2-20141020 10/20/2014		MW-3 MW-3-20141020 10/20/2014		
					RESULT	UNIT Q	RESULT	UNIT Q	RESULT	UNIT Q			
METALS: USEPA METHOD SW6010B UNDISSOLVED													
Arsenic	7440-38-2	25	ug/l	T	ND < 4	ug/l	U	ND < 4	ug/l	U	ND < 4	ug/l	U
Barium	7440-39-3	1000	ug/l	T	180	ug/l	U	118	ug/l	U	118	ug/l	U
Beryllium	7440-41-7	3	ug/l	T	ND < 1	ug/l	U	ND < 1	ug/l	U	ND < 1	ug/l	U
Cadmium	7440-43-9	5	ug/l	T	ND < 3	ug/l	U	ND < 3	ug/l	U	ND < 3	ug/l	U
Chromium, Total	7440-47-3			T	ND < 5	ug/l	U	ND < 5	ug/l	U	ND < 5	ug/l	U
Copper	7440-50-8	200	ug/l	T	ND < 3	ug/l	U	ND < 3	ug/l	U	ND < 3	ug/l	U
Lead	7439-92-1	25	ug/l	T	ND < 3	ug/l	U	ND < 3	ug/l	U	ND < 3	ug/l	U
Manganese	7439-96-5	300	ug/l	T	291	ug/l	U	53	ug/l	U	80	ug/l	U
Nickel	7440-02-0	100	ug/l	T	ND < 5	ug/l	U	ND < 5	ug/l	U	ND < 5	ug/l	U
Selenium	7782-49-2	10	ug/l	T	14	ug/l	U	ND < 10	ug/l	U	ND < 10	ug/l	U
Silver	7440-22-4	50	ug/l	T	ND < 5	ug/l	U	ND < 5	ug/l	U	ND < 5	ug/l	U
Zinc	7440-66-6	2000	ug/l	T	21	ug/l	U	12	ug/l	U	11	ug/l	U
METALS: USEPA METHOD SW6010B DISSOLVED (FILTERED)													
Arsenic	7440-38-2	25	ug/l	D	ND < 4	ug/l	U	ND < 4	ug/l	U	ND < 4	ug/l	U
Barium	7440-39-3	1000	ug/l	D	166	ug/l	U	119	ug/l	U	118	ug/l	U
Beryllium	7440-41-7	3	ug/l	D	ND < 1	ug/l	U	ND < 1	ug/l	U	ND < 1	ug/l	U
Cadmium	7440-43-9	5	ug/l	D	ND < 3	ug/l	U	ND < 3	ug/l	U	ND < 3	ug/l	U
Chromium, Total	7440-47-3			D	ND < 5	ug/l	U	ND < 5	ug/l	U	ND < 5	ug/l	U
Copper	7440-50-8	200	ug/l	D	4	ug/l	U	ND < 3	ug/l	U	ND < 3	ug/l	U
Lead	7439-92-1	25	ug/l	D	ND < 3	ug/l	U	ND < 3	ug/l	U	ND < 3	ug/l	U
Manganese	7439-96-5	300	ug/l	D	162	ug/l	U	56	ug/l	U	74	ug/l	U
Nickel	7440-02-0	100	ug/l	D	ND < 5	ug/l	U	ND < 5	ug/l	U	ND < 5	ug/l	U
Selenium	7782-49-2	10	ug/l	D	ND < 10	ug/l	U	ND < 10	ug/l	U	ND < 10	ug/l	U
Silver	7440-22-4	50	ug/l	D	ND < 5	ug/l	U	ND < 5	ug/l	U	ND < 5	ug/l	U
Zinc	7440-66-6	2000	ug/l	D	26	ug/l	U	17	ug/l	U	20	ug/l	U
CHROMIUM: USEPA METHOD SW7196A DISSOLVED (FILTERED)													
Chromium, Trivalent	16065-83-1	50	ug/l	D	ND < 10	ug/l	U	NA		U	NA		U
Chromium, Hexavalent	18540-29-9	50	ug/l	D	ND < 10	ug/l	U	NA		U	NA		U
CHROMIUM: USEPA METHOD SW7196A UNDISSOLVED													
Chromium, Trivalent	16065-83-1	50	ug/l	T	ND < 10	ug/l	U	ND < 10	ug/l	U	ND < 10	ug/l	U
Chromium, Hexavalent	18540-29-9	50	ug/l	T	ND < 10	ug/l	U	ND < 10	ug/l	U	ND < 10	ug/l	U
MERCURY: USEPA METHOD SW7473 DISSOLVED (FILTERED)													
Mercury	7439-97-6	0.7	ug/l	D	ND < 0.2	ug/l	U	ND < 0.2	ug/l	U	ND < 0.2	ug/l	U
MERCURY: USEPA METHOD SW7473 UNDISSOLVED													
Mercury	7439-97-6	0.7	ug/l	T	ND < 0.2	ug/l	U	ND < 0.2	ug/l	U	ND < 0.2	ug/l	U
PESTICIDES: USEPA METHOD SW8081B													
Aldrin	309-00-2	0	ug/l	NA	ND < 0.00457	ug/l	U	ND < 0.00432	ug/l	U	ND < 0.00432	ug/l	U
Alpha Bhc (Alpha Hexachlorocyclohexane)	319-84-6	0.01	ug/l	NA	ND < 0.00457	ug/l	U	ND < 0.00432	ug/l	U	ND < 0.00432	ug/l	U
Alpha Chlordane	5103-71-9			NA	ND < 0.00457	ug/l	U	ND < 0.00432	ug/l	U	ND < 0.00432	ug/l	U
Alpha Endosulfan	959-98-8			NA	ND < 0.00457	ug/l	U	ND < 0.00432	ug/l	U	ND < 0.00432	ug/l	U
Beta Bhc (Beta Hexachlorocyclohexane)	319-85-7	0.04	ug/l	NA	ND < 0.00457	ug/l	U	ND < 0.00432	ug/l	U	ND < 0.00432	ug/l	U
Beta Endosulfan	33213-65-9			NA	ND < 0.00457	ug/l	U	ND < 0.00432	ug/l	U	ND < 0.00432	ug/l	U
Delta BHC (Delta Hexachlorocyclohexane)	319-86-8	0.04	ug/l	NA	ND < 0.00457	ug/l	U	ND < 0.00432	ug/l	U	ND < 0.00432	ug/l	U
Dieldrin	60-57-1	0.004	ug/l	NA	ND < 0.00229	ug/l	U	ND < 0.00216	ug/l	U	ND < 0.00216	ug/l	U
Endosulfan Sulfate	1031-07-8			NA	ND < 0.00457	ug/l	U	ND < 0.00432	ug/l	U	ND < 0.00432	ug/l	U
Endrin	72-20-8	0	ug/l	NA	ND < 0.00457	ug/l	U	ND < 0.00432	ug/l	U	ND < 0.00432	ug/l	U
Gamma Bhc (Lindane)	58-89-9	0.05	ug/l	NA	ND < 0.00457	ug/l	U	ND < 0.00432	ug/l	U	ND < 0.00432	ug/l	U
Heptachlor	76-44-8	0.04	ug/l	NA	ND < 0.00457	ug/l	U	ND < 0.00432	ug/l	U	ND < 0.00432	ug/l	U
P,P'-DDD	72-54-8	0.3	ug/l	NA	ND < 0.00457	ug/l	U	ND < 0.00432	ug/l	U	ND < 0.00432	ug/l	U
P,P'-DDE	72-55-9	0.2	ug/l	NA	ND < 0.00457	ug/l	U	ND < 0.00432	ug/l	U	ND < 0.00432	ug/l	U
P,P'-DDT	50-29-3	0.2	ug/l	NA	ND < 0.00457	ug/l	U	ND < 0.00432	ug/l	U	ND < 0.00432	ug/l	U
PCBs: USEPA METHOD SW8082A													
PCB-1016 (Aroclor 1016)	12674-11-2			NA	ND < 0.0571	ug/l	U	ND < 0.0541	ug/l	U	ND < 0.0541	ug/l	U
PCB-1221 (Aroclor 1221)	11104-28-2			NA	ND < 0.0571	ug/l	U	ND < 0.0541	ug/l	U	ND < 0.0541	ug/l	U
PCB-1232 (Aroclor 1232)	11141-16-5			NA	ND < 0.0571	ug/l	U	ND < 0.0541	ug/l	U	ND < 0.0541	ug/l	U
PCB-1242 (Aroclor 1242)	53469-21-9			NA	ND < 0.0571	ug/l	U	ND < 0.0541	ug/l	U	ND < 0.0541	ug/l	U
PCB-1248 (Aroclor 1248)	12672-29-6			NA	ND < 0.0571	ug/l	U	ND < 0.0541	ug/l	U	ND < 0.0541	ug/l	U
PCB-1254 (Aroclor 1254)	11097-69-1			NA	ND < 0.0571	ug/l	U	ND < 0.0541	ug/l	U	ND < 0.0541	ug/l	U
PCB-1260 (Aroclor 1260)	11096-82-5			NA	ND < 0.0571	ug/l	U	ND < 0.0541	ug/l	U	ND < 0.0541	ug/l	U
Polychlorinated Biphenyl (PCBs)	1336-36-3	0.09	ug/l	NA	ND < 0.0571	ug/l	U	ND < 0.0541	ug/l	U	ND < 0.0541	ug/l	U
VOCs: USEPA METHOD SW8260B													
1,1,1-Trichloroethane	71-55-6	5	ug/l	NA	ND < 0.2	ug/l	U	ND < 0.2	ug/l	U	ND < 0.2	ug/l	U
1,1-Dichloroethane	75-34-3	5	ug/l	NA	ND < 0.2	ug/l	U	ND < 0.2	ug/l	U	ND < 0.2	ug/l	U
1,1-Dichloroethene	75-35-4	5	ug/l	NA	ND < 0.2	ug/l	U	ND < 0.2	ug/l	U	ND < 0.2	ug/l	U
1,2,4-Trimethylbenzene	95-63-6	5	ug/l	NA	ND < 0.2	ug/l	U	ND < 0.2	ug/l	U	ND < 0.2	ug/l	U
1,2-Dichlorobenzene	95-50-1	3	ug/l	NA	ND < 0.2	ug/l	U	ND < 0.2	ug/l	U	ND < 0.2	ug/l	U
1,2-Dichloroethane	107-06-2	0.6	ug/l	NA	ND < 0.2	ug/l	U	ND < 0.2	ug/l	U	ND < 0.2	ug/l	U
1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	5	ug/l	NA	ND < 0.2	ug/l	U	ND < 0.2	ug/l	U	ND < 0.2	ug/l	U
1,3-Dichlorobenzene	541-73-1	3	ug/l	NA	ND < 0.2	ug/l	U	ND < 0.2	ug/l	U	ND < 0.2	ug/l	U
1,4-Dichlorobenzene	106-46-7	3	ug/l	NA	ND < 0.2	ug/l	U	ND < 0.2	ug/l	U	ND < 0.2	ug/l	U
1,4-Dioxane (P-Dioxane)	123-91-1			NA	ND < 40	ug/l	U	ND < 40	ug/l	U	ND < 40	ug/l	U
Acetone	67-64-1	50	ug/l	NA	6.4	ug/l	U	ND < 1	ug/l	U	ND < 1	ug/l	U
Benzene	71-43-2	1	ug/l	NA	ND < 0.2	ug/l	U	ND < 0.2	ug/l	U	ND < 0.2	ug/l	U

Carbon Tetrachloride	56-23-5	5	ug/l	NA	ND < 0.2	ug/l	U	ND < 0.2	ug/l	U	ND < 0.2	ug/l	U
Chlorobenzene	108-90-7	5	ug/l	NA	0.25	ug/l	J	ND < 0.2	ug/l	U	ND < 0.2	ug/l	U
Chloroform	67-66-3	7	ug/l	NA	0.89	ug/l		1.3	ug/l		1.6	ug/l	
Cis-1,2-Dichloroethylene	156-59-2	5	ug/l	NA	ND < 0.2	ug/l	U	ND < 0.2	ug/l	U	ND < 0.2	ug/l	U
Ethylbenzene	100-41-4	5	ug/l	NA	ND < 0.2	ug/l	U	ND < 0.2	ug/l	U	ND < 0.2	ug/l	U
M And P Xylenes	79601-23-1			NA	ND < 0.5	ug/l	U	ND < 0.5	ug/l	U	ND < 0.5	ug/l	U
Methyl Ethyl Ketone (2-Butanone)	78-93-3	50	ug/l	NA	ND < 0.2	ug/l	U	ND < 0.2	ug/l	U	ND < 0.2	ug/l	U
Methyl Tert-Butyl Ether (MTBE)	1634-04-4	10	ug/l	NA	ND < 0.2	ug/l	U	ND < 0.2	ug/l	U	ND < 0.2	ug/l	U
Methylene Chloride	75-09-2	5	ug/l	NA	ND < 1	ug/l	U	ND < 1	ug/l	U	ND < 1	ug/l	U
N-Butylbenzene	104-51-8	5	ug/l	NA	ND < 0.2	ug/l	U	ND < 0.2	ug/l	U	ND < 0.2	ug/l	U
N-Propylbenzene	103-65-1	5	ug/l	NA	ND < 0.2	ug/l	U	ND < 0.2	ug/l	U	ND < 0.2	ug/l	U
O-Xylene (1,2-Dimethylbenzene)	95-47-6	5	ug/l	NA	ND < 0.2	ug/l	U	ND < 0.2	ug/l	U	ND < 0.2	ug/l	U
Sec-Butylbenzene	135-98-8	5	ug/l	NA	ND < 0.2	ug/l	U	ND < 0.2	ug/l	U	ND < 0.2	ug/l	U
T-Butylbenzene	98-06-6	5	ug/l	NA	ND < 0.2	ug/l	U	ND < 0.2	ug/l	U	ND < 0.2	ug/l	U
Tetrachloroethylene (PCE)	127-18-4	5	ug/l	NA	ND < 0.2	ug/l	U	ND < 0.2	ug/l	U	ND < 0.2	ug/l	U
Toluene	108-88-3	5	ug/l	NA	ND < 0.2	ug/l	U	ND < 0.2	ug/l	U	ND < 0.2	ug/l	U
Trans-1,2-Dichloroethene	156-60-5	5	ug/l	NA	ND < 0.2	ug/l	U	ND < 0.2	ug/l	U	ND < 0.2	ug/l	U
Trichloroethylene (TCE)	79-01-6	5	ug/l	NA	ND < 0.2	ug/l	U	ND < 0.2	ug/l	U	ND < 0.2	ug/l	U
Vinyl Chloride	75-01-4	2	ug/l	NA	ND < 0.2	ug/l	U	ND < 0.2	ug/l	U	ND < 0.2	ug/l	U
Xylenes, Total	XYLENES			NA	ND < 0.6	ug/l	U	ND < 0.6	ug/l	U	ND < 0.6	ug/l	U
SVOCs: USEPA METHOD SW8270C													
2-Methylphenol (O-Cresol)	95-48-7			NA	ND < 3.12	ug/l	U	ND < 2.63	ug/l	U	ND < 2.63	ug/l	U
3- And 4- Methylphenol (Total)	MEPH3MEPH4			NA	ND < 3.12	ug/l	U	ND < 2.63	ug/l	U	ND < 2.63	ug/l	U
Acenaphthene	83-32-9	20	ug/l	NA	0.1	ug/l		ND < 0.0526	ug/l	U	ND < 0.0526	ug/l	U
Acenaphthylene	208-96-8			NA	ND < 0.0625	ug/l	U	ND < 0.0526	ug/l	U	ND < 0.0526	ug/l	U
Anthracene	120-12-7		ug/l	NA	ND < 0.0625	ug/l	U	ND < 0.0526	ug/l	U	ND < 0.0526	ug/l	U
Benzo(A)Anthracene	56-55-3	0.002	ug/l	NA	ND < 0.0625	ug/l	U	ND < 0.0526	ug/l	U	ND < 0.0526	ug/l	U
Benzo(A)Pyrene	50-32-8	0	ug/l	NA	ND < 0.0625	ug/l	U	ND < 0.0526	ug/l	U	ND < 0.0526	ug/l	U
Benzo(B)Fluoranthene	205-99-2	0.002	ug/l	NA	ND < 0.0625	ug/l	U	ND < 0.0526	ug/l	U	ND < 0.0526	ug/l	U
Benzo(G,H,I)Perylene	191-24-2			NA	ND < 0.0625	ug/l	U	ND < 0.0526	ug/l	U	ND < 0.0526	ug/l	U
Benzo(K)Fluoranthene	207-08-9	0.002	ug/l	NA	ND < 0.0625	ug/l	U	ND < 0.0526	ug/l	U	ND < 0.0526	ug/l	U
Chrysene	218-01-9	0.002	ug/l	NA	ND < 0.0625	ug/l	U	ND < 0.0526	ug/l	U	ND < 0.0526	ug/l	U
Dibenz(A,H)Anthracene	53-70-3			NA	ND < 0.0625	ug/l	U	ND < 0.0526	ug/l	U	ND < 0.0526	ug/l	U
Dibenzofuran	132-64-9			NA	ND < 3.12	ug/l	U	ND < 2.63	ug/l	U	ND < 2.63	ug/l	U
Fluoranthene	206-44-0	50	ug/l	NA	ND < 0.0625	ug/l	U	ND < 0.0526	ug/l	U	ND < 0.0526	ug/l	U
Fluorene	86-73-7	50	ug/l	NA	0.075	ug/l		ND < 0.0526	ug/l	U	0.2	ug/l	
Hexachlorobenzene	118-74-1	0.04	ug/l	NA	ND < 0.025	ug/l	U	ND < 0.0211	ug/l	U	ND < 0.0211	ug/l	U
Indeno(1,2,3-C,D)Pyrene	193-39-5	0.002	ug/l	NA	ND < 0.0625	ug/l	U	ND < 0.0526	ug/l	U	ND < 0.0526	ug/l	U
Naphthalene	91-20-3	10	ug/l	NA	ND < 0.0625	ug/l	U	ND < 0.0526	ug/l	U	ND < 0.0526	ug/l	U
Pentachlorophenol	87-86-5	1.5	ug/l	NA	ND < 0.312	ug/l	U	ND < 0.263	ug/l	U	ND < 0.263	ug/l	U
Phenanthrene	85-01-8	50	ug/l	NA	ND < 0.0625	ug/l	U	ND < 0.0526	ug/l	U	0.0526	ug/l	
Phenol	108-95-2	1	ug/l	NA	ND < 3.12	ug/l	U	ND < 2.63	ug/l	U	ND < 2.63	ug/l	U
Pyrene	129-00-0	50	ug/l	NA	ND < 0.0625	ug/l	U	ND < 0.0526	ug/l	U	ND < 0.0526	ug/l	U

Notes:

Standards are for Class GA groundwater according 6NYCRR Part 700-705.

All concentrations are in mg/L unless otherwise indicated;

Red shading designates those compounds detected at concentrations exceeding NYSDEC standards;

NE = No standard established.

NA = Not Analyzed

ND= Not detected at MDL for sample.

Table 3 - Soil Vapor Results
 Collected on **October 10, 15, 2014**
 Collected from **3160 Park Avenue, Bronx, NY**

CHEMICAL NAME	CASRN	MEDIAN CONCENTRATION	UNIT	99TH PERCENTILE CONCENTRATION	UNIT	LOCATION ID		SV-1		SV-2		SV-3		SV-4		SV-5		SV-6		SV-7		SV-8							
						SAMPLE ID	SAMPLE DATE	SV-1 20141015	SV-1 20141015	SV-2 20141010	SV-2 20141010	SV-3 20141010	SV-3 20141010	SV-4 20141015	SV-4 20141015	SV-5 20141015	SV-5 20141015	SV-6 20141015	SV-6 20141015	SV-7 20141010	SV-7 20141010	SV-8 20141015	SV-8 20141015						
						RESULT	UNIT	Q	RESULT	UNIT	Q	RESULT	UNIT	Q	RESULT	UNIT	Q	RESULT	UNIT	Q	RESULT	UNIT	Q						
TO15																													
1,1,1-Trichloroethane	71-55-6	0.3	ug/m3	41	ug/m3	ND < 9.8	ug/m3	U	11	ug/m3	D	ND < 9.5	ug/m3	U	ND < 10	ug/m3	U	ND < 9.8	ug/m3	U	ND < 9.8	ug/m3	U	ND < 13	ug/m3	U	ND < 11	ug/m3	U
1,1,2,2-Tetrachloroethane	79-34-5	0.25	ug/m3	0.8	ug/m3	ND < 12	ug/m3	U	ND < 14	ug/m3	U	ND < 12	ug/m3	U	ND < 13	ug/m3	U	ND < 12	ug/m3	U	ND < 12	ug/m3	U	ND < 16	ug/m3	U	ND < 14	ug/m3	U
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1					ND < 14	ug/m3	U	ND < 15	ug/m3	U	ND < 13	ug/m3	U	ND < 14	ug/m3	U	ND < 14	ug/m3	U	ND < 14	ug/m3	U	ND < 18	ug/m3	U	ND < 16	ug/m3	U
1,1,2-Trichloroethane	79-00-5	0.25	ug/m3	1	ug/m3	ND < 9.8	ug/m3	U	ND < 11	ug/m3	U	ND < 9.5	ug/m3	U	ND < 10	ug/m3	U	ND < 9.8	ug/m3	U	ND < 9.8	ug/m3	U	ND < 13	ug/m3	U	ND < 11	ug/m3	U
1,1-Dichloroethane	75-34-3	0.25	ug/m3	0.4	ug/m3	ND < 7.3	ug/m3	U	ND < 8	ug/m3	U	ND < 7	ug/m3	U	ND < 7.6	ug/m3	U	ND < 7.3	ug/m3	U	ND < 7.3	ug/m3	U	ND < 9.7	ug/m3	U	ND < 8.5	ug/m3	U
1,1-Dichloroethene	75-35-4	0.25	ug/m3	6.3	ug/m3	ND < 7.1	ug/m3	U	ND < 7.8	ug/m3	U	ND < 6.9	ug/m3	U	ND < 7.4	ug/m3	U	ND < 7.1	ug/m3	U	ND < 7.1	ug/m3	U	ND < 9.5	ug/m3	U	ND < 8.3	ug/m3	U
1,2,4-Trichlorobenzene	120-82-1	0.25	ug/m3	26	ug/m3	ND < 13	ug/m3	U	ND < 15	ug/m3	U	ND < 13	ug/m3	U	ND < 14	ug/m3	U	ND < 13	ug/m3	U	ND < 13	ug/m3	U	ND < 18	ug/m3	U	ND < 16	ug/m3	U
1,2,4-Trimethylbenzene	95-63-6	1.9	ug/m3	35	ug/m3	12	ug/m3	D	ND < 9.7	ug/m3	U	ND < 8.5	ug/m3	U	10	ug/m3	D	ND < 8.8	ug/m3	U	ND < 8.8	ug/m3	U	ND < 12	ug/m3	U	13	ug/m3	D
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	0.25	ug/m3	0.25	ug/m3	ND < 14	ug/m3	U	ND < 15	ug/m3	U	ND < 13	ug/m3	U	ND < 14	ug/m3	U	ND < 14	ug/m3	U	ND < 14	ug/m3	U	ND < 18	ug/m3	U	ND < 16	ug/m3	U
1,2-Dichlorobenzene	95-50-1	0.25	ug/m3	2.3	ug/m3	ND < 11	ug/m3	U	ND < 12	ug/m3	U	ND < 10	ug/m3	U	ND < 11	ug/m3	U	ND < 11	ug/m3	U	ND < 11	ug/m3	U	ND < 14	ug/m3	U	ND < 13	ug/m3	U
1,2-Dichloroethane	107-06-2	0.25	ug/m3	0.4	ug/m3	ND < 7.3	ug/m3	U	ND < 8	ug/m3	U	ND < 7	ug/m3	U	ND < 7.6	ug/m3	U	ND < 7.3	ug/m3	U	ND < 7.3	ug/m3	U	ND < 9.7	ug/m3	U	ND < 8.5	ug/m3	U
1,2-Dichloropropane	78-87-5	0.25	ug/m3	9	ug/m3	ND < 8.3	ug/m3	U	ND < 9.1	ug/m3	U	ND < 8	ug/m3	U	ND < 8.6	ug/m3	U	ND < 8.3	ug/m3	U	ND < 8.3	ug/m3	U	ND < 8.6	ug/m3	U	ND < 7.6	ug/m3	U
1,2-Dichlorotetrafluoroethane	76-14-2	0.25	ug/m3	23	ug/m3	ND < 13	ug/m3	U	ND < 14	ug/m3	U	ND < 12	ug/m3	U	ND < 13	ug/m3	U	ND < 13	ug/m3	U	ND < 13	ug/m3	U	ND < 17	ug/m3	U	ND < 15	ug/m3	U
1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	0.6	ug/m3	25	ug/m3	ND < 8.8	ug/m3	U	ND < 9.7	ug/m3	U	ND < 8.5	ug/m3	U	ND < 9.2	ug/m3	U	ND < 8.8	ug/m3	U	ND < 8.8	ug/m3	U	ND < 12	ug/m3	U	ND < 10	ug/m3	U
1,3-Butadiene	106-99-0					73	ug/m3	D	ND < 8.6	ug/m3	U	68	ug/m3	D	70	ug/m3	D	160	ug/m3	D	170	ug/m3	D	ND < 10	ug/m3	U	26	ug/m3	D
1,3-Dichlorobenzene	541-73-1	0.25	ug/m3	1.6	ug/m3	ND < 11	ug/m3	U	ND < 12	ug/m3	U	ND < 10	ug/m3	U	ND < 11	ug/m3	U	ND < 11	ug/m3	U	ND < 11	ug/m3	U	ND < 14	ug/m3	U	ND < 13	ug/m3	U
1,4-Dichlorobenzene	106-46-7	0.25	ug/m3	25	ug/m3	ND < 11	ug/m3	U	ND < 12	ug/m3	U	ND < 10	ug/m3	U	ND < 11	ug/m3	U	ND < 11	ug/m3	U	ND < 11	ug/m3	U	ND < 14	ug/m3	U	ND < 13	ug/m3	U
1,4-Dioxane (P-Dioxane)	123-91-1					ND < 6.5	ug/m3	U	ND < 7.1	ug/m3	U	ND < 6.3	ug/m3	U	ND < 6.7	ug/m3	U	ND < 6.5	ug/m3	U	ND < 6.5	ug/m3	U	ND < 8.6	ug/m3	U	ND < 7.6	ug/m3	U
2-Hexanone	591-78-6	0.3	ug/m3	16	ug/m3	ND < 15	ug/m3	U	ND < 16	ug/m3	U	ND < 14	ug/m3	U	ND < 15	ug/m3	U	ND < 15	ug/m3	U	ND < 15	ug/m3	U	ND < 20	ug/m3	U	ND < 17	ug/m3	U
4-Ethyltoluene	622-96-8	2.1	ug/m3	120	ug/m3	9.7	ug/m3	D	ND < 9.7	ug/m3	U	ND < 8.5	ug/m3	U	ND < 9.2	ug/m3	U	ND < 8.8	ug/m3	U	ND < 8.8	ug/m3	U	ND < 12	ug/m3	U	10	ug/m3	D
Acetone	67-64-1	21	ug/m3	200	ug/m3	130	ug/m3	D	47	ug/m3	D	84	ug/m3	D	120	ug/m3	D	150	ug/m3	D	190	ug/m3	D	95	ug/m3	D	150	ug/m3	D
Benzene	71-43-2	2.1	ug/m3	120	ug/m3	13	ug/m3	D	6.3	ug/m3	D	21	ug/m3	D	ND < 6	ug/m3	U	11	ug/m3	D	14	ug/m3	D	ND < 7.7	ug/m3	U	6.7	ug/m3	D
Benzyl Chloride	100-44-7					ND < 9.3	ug/m3	U	ND < 10	ug/m3	U	ND < 9	ug/m3	U	ND < 9.7	ug/m3	U	ND < 9.3	ug/m3	U	ND < 9.3	ug/m3	U	ND < 12	ug/m3	U	ND < 11	ug/m3	U
Bromodichloromethane	75-27-4					ND < 11	ug/m3	U	ND < 12	ug/m3	U	ND < 11	ug/m3	U	ND < 9.7	ug/m3	U	ND < 11	ug/m3	U	ND < 11	ug/m3	U	ND < 15	ug/m3	U	ND < 13	ug/m3	U
Bromoform	75-25-2					ND < 19	ug/m3	U	ND < 20	ug/m3	U	ND < 18	ug/m3	U	ND < 19	ug/m3	U	ND < 19	ug/m3	U	ND < 19	ug/m3	U	ND < 25	ug/m3	U	ND < 22	ug/m3	U
Bromomethane	74-83-9	0.25	ug/m3	3.2	ug/m3	ND < 7	ug/m3	U	ND < 7.7	ug/m3	U	ND < 6.7	ug/m3	U	ND < 7.2	ug/m3	U	ND < 7	ug/m3	U	ND < 7	ug/m3	U	ND < 9.3	ug/m3	U	ND < 8.2	ug/m3	U
Carbon Disulfide	75-15-0					56	ug/m3	D	18	ug/m3	D	49	ug/m3	D	40	ug/m3	D	9	ug/m3	D	100	ug/m3	D	9	ug/m3	D	22	ug/m3	D
Carbon Tetrachloride	56-23-5	0.25	ug/m3	3.2	ug/m3	ND < 2.8	ug/m3	U	ND < 3.1	ug/m3	U	20	ug/m3	D	ND < 2.9	ug/m3	U	ND < 2.8	ug/m3	U	ND < 2.8	ug/m3	U	ND < 3.8	ug/m3	U	ND < 3.3	ug/m3	U
Chlorobenzene	108-90-7	0.25	ug/m3	3.2	ug/m3	ND < 8.3	ug/m3	U	ND < 9.1	ug/m3	U	ND < 8	ug/m3	U	ND < 8.6	ug/m3	U	ND < 8.3	ug/m3	U	ND < 8.3	ug/m3	U	ND < 11	ug/m3	U	ND < 9.7	ug/m3	U
Chloroethane	75-00-3	0.25	ug/m3	0.9	ug/m3	ND < 4.7	ug/m3	U	ND < 5.2	ug/m3	U	ND < 4.6	ug/m3	U	ND < 4.9	ug/m3	U	ND < 4.7	ug/m3	U	ND < 4.7	ug/m3	U	ND < 6.3	ug/m3	U	ND < 5.7	ug/m3	U
Chloroform	67-66-3	0.25	ug/m3	13	ug/m3	12	ug/m3	D	ND < 9.6	ug/m3	U	22	ug/m3	D	26	ug/m3	D	18	ug/m3	D	19	ug/m3	D	ND < 12	ug/m3	U	19	ug/m3	D
Chloromethane	74-87-3	0.5	ug/m3	14	ug/m3	6.3	ug/m3	D	ND < 4.1	ug/m3	U	ND < 3.6	ug/m3	U	ND < 3.9	ug/m3	U	ND < 3.7	ug/m3	U	ND < 3.7	ug/m3	U	ND < 5	ug/m3	U	ND < 4.3	ug/m3	U
Cis-1,2-Dichloroethylene	156-59-2	0.25	ug/m3	4.6	ug/m3	ND < 7.1	ug/m3	U	ND < 7.8	ug/m3	U	ND < 6.9	ug/m3	U	ND < 7.4	ug/m3	U	ND < 7.1	ug/m3	U	ND < 7.1	ug/m3	U	ND < 9.5	ug/m3	U	ND < 8.3	ug/m3	U
Cis-1,3-Dichloropropene	10061-01-5	0.25	ug/m3	2.1	ug/m3	ND < 8.2	ug/m3	U	ND < 9	ug/m3	U	ND < 7.9	ug/m3	U	ND < 8.5	ug/m3	U	ND < 8.2	ug/m3	U	ND < 8.2	ug/m3	U	ND < 11	ug/m3	U	ND < 9.5	ug/m3	U
Cyclohexane	110-82-7	0.8	ug/m3	88	ug/m3	6.8	ug/m3	D	ND < 6.8	ug/m3	U	16	ug/m3	D	ND < 6.4	ug/m3	U	ND < 6.2	ug/m3	U	25	ug/m3	D	ND < 8.3	ug/m3	U	ND < 7.2	ug/m3	U
Dibromochloromethane	124-48-1					ND < 14	ug/m3	U	ND < 16	ug/m3	U	ND < 14	ug/m3	U	ND < 15	ug/m3	U	ND < 14	ug/m3	U	ND < 14	ug/m3	U	ND < 19	ug/m3	U	ND < 17	ug/m3	U
Dichlorodifluoromethane	75-71-8	0.25	ug/m3	180	ug/m3	ND < 8.9	ug/m3	U	ND < 9.8	ug/m3	U	8.6	ug/m3	D	ND < 9.2	ug/m3	U	ND < 8.9	ug/m3	U	ND < 8.9	ug/m3	U	ND < 12	ug/m3	U	ND < 10	ug/m3	U
Ethyl Acetate	141-78-6					22	ug/m3	D	ND < 14	ug/m3	U	ND < 13	ug/m3	U	17	ug/m3	D	22	ug/m3	D									
Ethylbenzene	100-41-4	1	ug/m3	26	ug/m3	9.4	ug/m3	D	ND < 8.6	ug/m3	U	ND < 7.5	ug/m3	U	ND < 8.1	ug/m3	U	7.8	ug/m3	D	8.6	ug/m3	D	ND < 10	ug/m3	U	9.1	ug/m3	D
Hexachlorobutadiene	87-68-3	0.25	ug/m3	29	ug/m3	ND < 19	ug/m3	U																					

Tetrahydrofuran	109-99-9	0.25 ug/m3	19 ug/m3	ND < 5.3 ug/m3	U	ND < 5.8 ug/m3	U	ND < 5.1 ug/m3	U	ND < 5.5 ug/m3	U	ND < 5.3 ug/m3	U	ND < 5.3 ug/m3	U	ND < 7.1 ug/m3	U	ND < 6.2 ug/m3	U
Toluene	108-88-3	9.6 ug/m3	300 ug/m3	49 ug/m3	D	46 ug/m3	D	ND < 6.5 ug/m3	U	39 ug/m3	D	49 ug/m3	D	54 ug/m3	D	44 ug/m3	D	59 ug/m3	D
Trans-1,2-Dichloroethene	156-60-5			ND < 7.1 ug/m3	U	ND < 7.8 ug/m3	U	ND < 6.9 ug/m3	U	ND < 7.4 ug/m3	U	ND < 7.1 ug/m3	U	ND < 7.1 ug/m3	U	ND < 9.5 ug/m3	U	ND < 8.3 ug/m3	U
Trans-1,3-Dichloropropene	10061-02-6	0.25 ug/m3	0.25 ug/m3	ND < 8.2 ug/m3	U	ND < 9 ug/m3	U	ND < 7.9 ug/m3	U	ND < 8.5 ug/m3	U	ND < 8.2 ug/m3	U	ND < 8.2 ug/m3	U	ND < 11 ug/m3	U	ND < 9.5 ug/m3	U
Trichloroethylene (TCE)	79-01-6	0.25 ug/m3	7.4 ug/m3	ND < 2.4 ug/m3	U	ND < 2.7 ug/m3	U	ND < 2.3 ug/m3	U	12 ug/m3	D	ND < 2.4 ug/m3	U	5.8 ug/m3	D	ND < 3.2 ug/m3	U	ND < 2.8 ug/m3	U
Trichlorofluoromethane	75-69-4			11 ug/m3	D	21 ug/m3	D	ND < 9.8 ug/m3	U	ND < 10 ug/m3	U	ND < 10 ug/m3	U	ND < 10 ug/m3	U	ND < 13 ug/m3	U	ND < 12 ug/m3	U
Vinyl Acetate	108-05-4			ND < 6.3 ug/m3	U	ND < 7 ug/m3	U	ND < 6.1 ug/m3	U	ND < 6.6 ug/m3	U	ND < 6.3 ug/m3	U	ND < 6.3 ug/m3	U	ND < 8.5 ug/m3	U	ND < 7.4 ug/m3	U
Vinyl Chloride	75-01-4	0.25 ug/m3	0.8 ug/m3	ND < 1.2 ug/m3	U	ND < 1.3 ug/m3	U	ND < 1.1 ug/m3	U	ND < 1.2 ug/m3	U	ND < 1.2 ug/m3	U	ND < 1.2 ug/m3	U	ND < 1.5 ug/m3	U	ND < 1.3 ug/m3	U

Notes:

All units are µg/m3 unless otherwise noted

Yellow shading indicates exceedance of NYSDOH median concentration, October 2006, Appendix C

Red shading indicates exceedance of NYSDOH 99th percentile concentration, October 2006, Appendix C

ND = Not detected at the reporting limit

Table 4 - Water Level Measurements

Taken from: **3160 Park Avenue, Bronx, New York**

Measured on: **October 20, 2014**

Well ID	DTW
MW-1	24.1'
MW-2	18.9'
MW-3	21.15'

Depth to water measured from top of casing.

Phase II Investigation - 2006
3160 Park Avenue, Bronx, New York

Constituent	NYSDEC ¹ TAGM	NYSDEC ² UUSCO	Sample Identification								
			GB-1 (12-14')	GB-2 (0-5')	GB-3 (5-10')	GB-4 (12-14')	GB-5 (12-14')	GB-6 (7-10')	GB-7 (12-14')	GB-8 (2-4')	GB-10 (9-10')
Semi-Volatile Organic Compounds											
Acenaphthene	50,000	20,000	ND<354	ND<3,160	962	ND<388	ND<317	ND<338	ND<351	ND<307	ND<3,150
Acenaphthylene	41,000	100,000	ND<354	ND<3,160	ND<315	ND<388	ND<317	ND<338	ND<351	461	ND<3,150
Anthracene	50,000	100,000	ND<354	ND<3,160	1,710	ND<388	ND<317	422	ND<351	737	ND<3,150
Benzo (a) anthracene	224 or MDL	1,000	ND<354	ND<3,160	3,770	ND<388	ND<317	803	ND<351	2,360	ND<3,150
Benzo (a) pyrene	61.0 or MDL	1,000	ND<354	ND<3,160	2,610	ND<388	ND<317	642	ND<351	4,870	ND<3,150
Benzo (b) fluoranthene	1,100	1,000	ND<354	ND<3,160	1,710	ND<388	ND<317	717	ND<351	2,100	ND<3,150
Benzo (g,h,i) perylene	50,000	100,000	ND<354	ND<3,160	1,750	ND<388	ND<317	442	ND<351	1,980	ND<3,150
Benzo (k) fluoranthene	1,100	800	ND<354	ND<3,160	517	ND<388	ND<317	718	ND<351	1,460	ND<3,150
Chrysene	400	1,000	ND<354	ND<3,160	4,710	ND<388	ND<317	839	ND<351	2,580	ND<3,150
Dibenz (a,h) anthracene	14.0 or MDL	330	ND<354	ND<3,160	790	ND<388	ND<317	ND<338	ND<351	ND<307	ND<3,150
Fluoranthene	50,000	100,000	ND<354	4,310	6,920	ND<388	ND<317	1,980	ND<351	4,650	4,330
Fluorene	50,000	30,000	ND<354	ND<3,160	727	ND<388	ND<317	ND<338	ND<351	ND<307	ND<3,150
Indeno (1,2,3-cd) pyrene	3,200	500	ND<354	ND<3,160	1,450	ND<388	ND<317	356	ND<351	1,630	ND<3,150
Naphthalene	13,000	12,000	ND<354	ND<3,160	ND<315	ND<388	ND<317	ND<338	ND<351	ND<307	ND<3,150
Phenanthrene	50,000	100,000	ND<354	ND<3,160	8,480E	ND<388	ND<317	2,160	ND<351	2,080	4,720
Pyrene	50,000	100,000	ND<354	3,670	9,480E	ND<388	ND<317	2,090	ND<351	6,000	4,210
Total SVOCs	50,000	667,630	0	7,980	45,586	0	0	11,169	0	30,908	13,260

Notes:

All concentrations are in ug/kg;

1 - Standards are for soils according to NYSDEC TAGM #4046, *Recommended Soil Cleanup Objectives* ;

2- Standards are for soils according to NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives

ND = Not detected, detection limit listed;

MDL= Method Detection Limit;

Shaded box designates those compounds detected at concentrations exceeding NYSDEC Part 375 UUSCOs

Boldface type designates those compounds detected at concentrations exceeding NYSDEC TAGM standards;

NE = No standard established.

SB = Site Background levels.

Phase II Investigation - 2006
3160 Park Avenue, Bronx, New York

Chemical Constituent	NYSDEC TAGM	NYSDEC UUSCO	GB-1 (12-14')	GB-2 (0-5')	GB-3 (5-10')	GB-4 (12-14')	GB-5 (12-14')	GB-6 (7-10')	GB-7 (12-14')	GB-8 (2-4')
<i>Inorganic Parameters</i>										
Arsenic	7.5 or SB	13	3.62	5.6	5.2	4.84	4.08	5.54	2.99	4.7
Barium	300 or SB	350	73.3	99.7	85	58	98.8	142	91.7	284
Cadmium	1 or SB	2.5	ND<0.544	ND<0.531	ND<0.501	ND<0.591	ND<0.540	ND<0.556	ND<0.595	0.473
Chromium	10 or SB	30*	19.6	11	16.6	22	29.1	23.4	23	23.6
Lead	SB (200-500 ppm)	63	13.8	43.2	25.3	11	5.51	254	11.2	159
Mercury	0.1	0.18	0.03	0.0449	0.0961	0.0327	ND<0.021	ND<0.684	0.0363	0.2519
Selenium	2 or SB	3.9	ND<0.544	ND<0.531	ND<0.501	ND<0.591	ND<0.540	ND<0.556	ND<0.595	ND<0.465
Silver	SB	2	ND<1.09	ND<1.06	ND<1.00	ND<1.18	ND<1.08	ND<1.11	ND<1.19	ND<0.930

Notes:

1 - Standards are for soils according to NYSDEC TAGM #4046, *Recommended Soil Cleanup Objectives*;

2- Standards are for soils according to NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives

ND = Not detected, detection limit listed;

MDL= Method Detection Limit;

Shaded box designates those compounds detected at concentrations exceeding NYSDEC Part 375 UUSCOs

Boldface type designates those compounds detected at concentrations exceeding NYSDEC TAGM standards;

NE = No standard established.

SB = Site Background levels.

*Chromium, trivalent value used

Phase II Investigation - 2006
 3160 Park Avenue, Bronx, New York

Constituent	NYSDEC	NYSDEC	Sample Identification							
	TAGM	UUSCO	GB-1 (12-14')	GB-2 (0-5')	GB-3 (5-10')	GB-4 (12-14')	GB-5 (12-14')	GB-6 (7-10')	GB-7 (12-14')	GB-8 (2-4')
<i>Volatile Organic Compounds</i>										
Bromodichloromethane	10,000	NE	ND<9.07	ND<10.0	ND<7.63	ND<9.57	ND<7.34	ND<9.49	ND<6.91	ND<9.72
Bromomethane	10,000	NE	ND<9.07	ND<10.0	ND<7.63	ND<9.57	ND<7.34	ND<9.49	ND<6.91	ND<9.72
Bromoform	10,000	NE	ND<9.07	ND<10.0	ND<7.63	ND<9.57	ND<7.34	ND<9.49	ND<6.91	ND<9.72
Carbon tetrachloride	600	760	ND<9.07	ND<10.0	ND<7.63	ND<9.57	ND<7.34	ND<9.49	ND<6.91	ND<9.72
Chloroethane	1,900	NE	ND<9.07	ND<10.0	ND<7.63	ND<9.57	ND<7.34	ND<9.49	ND<6.91	ND<9.72
Chloromethane	10,000	NE	ND<9.07	ND<10.0	ND<7.63	ND<9.57	ND<7.34	ND<9.49	ND<6.91	ND<9.72
2-Chloroethyl vinyl ether	10,000	NE	ND<9.07	ND<10.0	ND<7.63	ND<9.57	ND<7.34	ND<9.49	ND<6.91	ND<9.72
Chloroform	300	370	ND<9.07	ND<10.0	ND<7.63	ND<9.57	ND<7.34	ND<9.49	ND<6.91	ND<9.72
Dibromochloromethane	NE	NE	ND<9.07	ND<10.0	ND<7.63	ND<9.57	ND<7.34	ND<9.49	ND<6.91	ND<9.72
1,1-Dichloroethane	200	270	ND<9.07	ND<10.0	ND<7.63	ND<9.57	ND<7.34	ND<9.49	ND<6.91	ND<9.72
1,2-Dichloroethane	100	20	ND<9.07	ND<10.0	ND<7.63	ND<9.57	ND<7.34	ND<9.49	ND<6.91	ND<9.72
1,1-Dichloroethene	400	330	ND<9.07	ND<10.0	ND<7.63	ND<9.57	ND<7.34	ND<9.49	ND<6.91	ND<9.72

cis-1, 2-Dichloroethene	10,000	250	ND<9.07	ND<10.0	ND<7.63	ND<9.57	ND<7.34	ND<9.49	ND<6.91	ND<9.72
trans-1,2-Dichloroethene	300	190	ND<9.07	ND<10.0	ND<7.63	ND<9.57	ND<7.34	ND<9.49	ND<6.91	ND<9.72
1,2-Dichloropropane	10,000	NE	ND<9.07	ND<10.0	ND<7.63	ND<9.57	ND<7.34	ND<9.49	ND<6.91	ND<9.72
cis-1,3-Dichloropropene	10,000	NE	ND<9.07	ND<10.0	ND<7.63	ND<9.57	ND<7.34	ND<9.49	ND<6.91	ND<9.72
trans-1,3-Dichloropropene	10,000	NE	ND<9.07	ND<10.0	ND<7.63	ND<9.57	ND<7.34	ND<9.49	ND<6.91	ND<9.72
Methylene chloride	100	50	ND<22.7	ND<25.0	ND<19.1	ND<23.9	ND<18.4	ND<23.7	ND<17.3	ND<24.3
1,1,2,2-Tetrachloroethane	600	NE	ND<9.07	ND<10.0	ND<7.63	ND<9.57	ND<7.34	ND<9.49	ND<6.91	ND<9.72
Tetrachloroethene	1,400	1,300	ND<9.07	ND<10.0	ND<7.63	ND<9.57	ND<7.34	ND<9.49	ND<6.91	ND<9.72
1,1,1-Trichloroethane	800	680	ND<9.07	ND<10.0	ND<7.63	ND<9.57	ND<7.34	ND<9.49	ND<6.91	ND<9.72
1,1,2-Trichloroethane	6,000	NE	ND<9.07	ND<10.0	ND<7.63	ND<9.57	ND<7.34	ND<9.49	ND<6.91	ND<9.72
Trichloroethene	700	470	ND<9.07	ND<10.0	ND<7.63	ND<9.57	ND<7.34	ND<9.49	ND<6.91	ND<9.72
Trichlorofluoromethane	10,000	NE	ND<9.07	ND<10.0	ND<7.63	ND<9.57	ND<7.34	ND<9.49	ND<6.91	ND<9.72
Vinyl Chloride	200	20	ND<9.07	ND<10.0	ND<7.63	ND<9.57	ND<7.34	ND<9.49	ND<6.91	ND<9.72
Benzene	60	60	ND<9.07	ND<10.0	ND<7.63	ND<9.57	ND<7.34	ND<9.49	ND<6.91	ND<9.72
Chlorobenzene	1,700	1,100	ND<9.07	ND<10.0	ND<7.63	ND<9.57	ND<7.34	ND<9.49	ND<6.91	ND<9.72
Ethylbenzene	5,500	1,000	ND<9.07	ND<10.0	ND<7.63	ND<9.57	ND<7.34	ND<9.49	ND<6.91	ND<9.72
Toluene	1,500	700	ND<9.07	13.6	ND<7.63	ND<9.57	ND<7.34	25.6	ND<6.91	26.4

m/p-Xylene	1,200	260	ND<9.07	ND<10.0	ND<7.63	ND<9.57	ND<7.34	13.3	ND<6.91	10.7
o-Xylene	1,200	NE	ND<9.07	ND<10.0	ND<7.63	ND<9.57	ND<7.34	ND<9.49	ND<6.91	ND<9.72
Styrene	10,000	NE	ND<9.07	ND<10.0	ND<7.63	ND<9.57	ND<7.34	ND<9.49	ND<6.91	ND<9.72
1,2-Dichlorobenzene	7,900	1,100	ND<9.07	ND<10.0	ND<7.63	ND<9.57	ND<7.34	ND<9.49	ND<6.91	ND<9.72
1,3-Dichlorobenzene	1,600	2,400	ND<9.07	ND<10.0	ND<7.63	ND<9.57	ND<7.34	ND<9.49	ND<6.91	ND<9.72
1,4-Dichlorobenzene	8,500	1,800	ND<9.07	ND<10.0	ND<7.63	ND<9.57	ND<7.34	ND<9.49	ND<6.91	ND<9.72
Acetone	200	50	ND<45.3	ND<50.0	ND<38.1	ND<47.8	ND<36.7	ND<47.4	ND<34.5	ND<48.6
2-Butanone	300	NE	ND<22.7	ND<25.0	ND<19.1	ND<23.9	ND<18.4	ND<23.7	ND<17.3	ND<24.3
2-Hexanone	10,000	NE	ND<22.7	ND<25.0	ND<19.1	ND<23.9	ND<18.4	ND<23.7	ND<17.3	ND<24.3
4-Methyl-2-pentanone	1,000	NE	ND<22.7	ND<25.0	ND<19.1	ND<23.9	ND<18.4	ND<23.7	ND<17.3	ND<24.3
Carbon disulfide	2,700	NE	ND<22.7	ND<25.0	ND<19.1	ND<23.9	ND<18.4	ND<23.7	ND<17.3	ND<24.3
Vinyl acetate	10,000	NE	ND<22.7	ND<25.0	ND<19.1	ND<23.9	ND<18.4	ND<23.7	ND<17.3	ND<24.3

Notes:

1 - Standards are for soils according NYSDEC TAGM #4046, *Recommended Soil Cleanup Objectives*;

2- Standards are for soils according to NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives

ND = Not detected, detection limit listed;

MDL= Method Detection Limit; NE = No standard established.

Shaded box designates those compounds detected at concentrations exceeding NYSDEC Part 375 UUSCOs

Boldface type designates those compounds detected at concentrations exceeding NYSDEC TAGM standards;

NE = No standard established.

SB = Site Background levels.

Table 8.

Volatile Organic Compounds (VOCs) in Groundwater Samples; USEPA Method 8021(STARS); collected **May 21, 2007**; Parking Lot, 3160 Park Avenue, Bronx, New York; Conrad Geoscience File #PB060262

Constituent	NYSDEC Limit ¹	GW-1-UF	GW-2-UF	GW-3-UF
<i>Volatile Organic Compounds</i>				
Benzene	0.7	ND<0.700	ND<0.700	ND<0.700
n-Butylbenzene	5	ND<2.00	ND<2.00	ND<2.00
sec-Butylbenzene	5	ND<2.00	ND<2.00	ND<2.00
tert-butylbenzene	5	ND<2.00	ND<2.00	ND<2.00
Ethylbenzene	5	ND<2.00	ND<2.00	ND<2.00
n-Propylbenzene	5	ND<2.00	ND<2.00	ND<2.00
Isopropylbenzene	5	ND<5.00	ND<5.00	ND<5.00
p-Isopropyltoluene	5	ND<2.00	ND<2.00	ND<2.00
Naphthalene	10	ND<5.00	ND<5.00	ND<5.00
Toluene	5	ND<2.00	ND<2.00	ND<2.00
1, 2, 4 – Trimethylbenzene	5	ND<2.00	ND<2.00	ND<2.00
1, 3, 5 – Trimethylbenzene	5	ND<2.00	ND<2.00	ND<2.00
m,p –Xylenes	5	ND<2.00	ND<2.00	ND<2.00
o – Xylene	5	ND<2.00	ND<2.00	ND<2.00
Methyl tert-butyl ether	10	ND<2.00	ND<2.00	ND<2.00

Notes:

1 - Standards are for groundwater according to 6NYCRR Part 700-705;

All concentrations are in ppb (ug/l);

ND = Not detected, detection limit listed;

Boldface type designates those compounds detected at concentrations exceeding NYSDEC standard.

Table 9. **Semi-Volatile Organic Compounds (SVOCs) in Groundwater Samples;** USEPA Method 8270 (STARS); collected **May 21, 2007**; Parking Lot, 3160 Park Avenue, Bronx, New York; Conrad Geoscience File #PB060262

Constituent	NYSDEC Limit ¹	GW-1-UF	GW-2-UF	GW-3-UF
<i>Semi-Volatile Organic Compounds</i>				
Acenaphthene	20	ND<10.0	ND<10.0	ND<10.0
Acenaphthylene	50	ND<10.0	ND<10.0	ND<10.0
Anthracene	50	ND<10.0	ND<10.0	ND<10.0
Benzo(a)anthracene	0.002	ND<10.0	ND<10.0	ND<10.0
Benzo(a)pyrene	0.002	ND<10.0	ND<10.0	ND<10.0
Benzo(b)fluoranthene	0.002	ND<10.0	ND<10.0	ND<10.0
Benzo(g,h,i)perylene	0.002	ND<10.0	ND<10.0	ND<10.0
Benzo(k)fluoranthene	0.002	ND<10.0	ND<10.0	ND<10.0
Chrysene	0.002	ND<10.0	ND<10.0	ND<10.0
Dibenz (a,h) anthracene	50	ND<10.0	ND<10.0	ND<10.0
Fluoranthene	50	ND<10.0	ND<10.0	ND<10.0
Fluorene	50	ND<10.0	ND<10.0	ND<10.0
Indeno(1,2,3-cd)pyrene	0.002	ND<10.0	ND<10.0	ND<10.0
Naphthalene	10	ND<10.0	ND<10.0	ND<10.0
Phenanthrene	50	ND<10.0	ND<10.0	ND<10.0
Pyrene	50	ND<10.0	ND<10.0	ND<10.0

Note
 1 - Standards are for groundwater according to 6NYCRR Part 700-705;
 All concentrations are in ppb (ug/Kg);
 ND = Not detected, detection limit listed;
 Boldface type designates those compounds detected at concentrations exceeding NYSDEC standards;
 NS = Not sampled.

Table 10. **Total Lead in Geoprobe™ Soil Samples**; USEPA Method 6010; collected **May 21, 2007**;
 Parking Lot, 3160 Park Avenue, Bronx, New York;
 Conrad Geoscience File #PB060261

Chemical Constituent	NYSDEC Limit ¹	DB-1 (0-1')	DB-2 (0-1')	DB-3 (0-1')	DB-4 (0-1')	DB-5 (0-1')	DB-6 (0-1')	DB-7 (0-1')	DB-8 (0-1')	
<i>Inorganic Parameters</i>										
Lead	63 ¹	400 ²	173	161	95.8	25.7	275	344	200	234

Chemical Constituent	NYSDEC Limit ¹	DB-8 (1-2')	DB-9 (0-1')	DB-10 (0-1')	DB-11 (0-1')	DB-12 (0-1')	DB-13 (0-1')	DB-14 (0-1')	
<i>Inorganic Parameters</i>									
Lead	63 ¹	400 ²	386	354	334	199	347	252	225

Notes:

1 – Standards are for soils according to NYSDEC 6NYCRR Part 375, *Unrestricted Use Soil Cleanup Objectives*;

2 – Standards are for soils according to NYSDEC 6NYCRR Part 375, *Restricted Residential Use Soil Cleanup Objectives*;

All concentrations are in mg/kg (ppm) unless otherwise indicated;

Boldface type designates those compounds detected at concentrations exceeding NYSDEC standards;

Table 11

8 RCRA Metals in Groundwater Samples; USEPA Method 6010; collected **May 21, 2007;** Parking Lot, 3160 Park Avenue, Bronx, New York;
Conrad Geoscience File #PB060262

Chemical Constituent	NYSDEC Limit ¹	GW-1-F	GW-1-UF	GW-2-F	GW-2-UF	GW-3-F	GW-3-UF
<i>Inorganic Parameters</i>							
Arsenic	0.025	ND<0.005	ND<0.005	0.005	0.005	ND<0.005	ND<0.005
Barium	1.0	ND<0.025	0.021	0.040	0.048	0.030	0.037
Cadmium	0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005
Chromium	0.050	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
Lead	0.025	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005
Mercury	0.007	ND<0.0002	ND<0.0002	ND<0.0002	ND<0.0002	ND<0.0002	ND<0.0002
Selenium	0.010	ND<0.025	ND<0.025	ND<0.025	ND<0.025	ND<0.025	ND<0.025
Silver	0.050	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010

Notes:

1 – Standards are for soils according to NYSDEC Part 703 Surface Water and Groundwater Quality Standards; Class GA;

All concentrations are in mg/L (ppm) unless otherwise indicated;

Boldface type designates those compounds detected at concentrations exceeding NYSDEC standards;

APPENDICIES

Appendix A

PHASE I ENVIRONMENTAL SITE ASSESSMENT

VACANT LOT

3160 Park Avenue

Borough of the Bronx, Bronx County, New York

Conrad Geoscience File #PB060260

August 28, 2006

Prepared for:

Abraham Srulowitz
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Prepared by:



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PHASE I ENVIRONMENTAL SITE ASSESSMENT

VACANT LOT

3160 Park Avenue

Borough of the Bronx, Bronx County, New York

Conrad Geoscience Corp. is submitting this report for work performed at the above-referenced site. This report has been prepared in conformance with the scope and limitations ASTM Standard E-1527-05, *Standard Practice for Phase I Environmental Site Assessments for Commercial Property Transactions*. If you have any questions or comments, please contact one of the individuals listed below. We declare that, to the best of our professional knowledge and belief, we meet the definition of *environmental professional* as defined in 40CFR Part 312.10. We have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

CONRAD GEOSCIENCE CORP.

Andria D. Quinn
Geologist/Preparer

Christopher B. Brown, CPG
Senior Hydrogeologist

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1.0 Executive Summary

Conrad Geoscience personnel have conducted a Phase I Environmental Site Assessment in conformance with ASTM Standard E-1527-05 of the property at 3160 Park Avenue, Borough of the Bronx, Bronx County, New York, the subject property. Any exceptions to, or deletions from, this practice are described in Section 2 of this report. This ESA included a Phase II investigation. Results of the Phase II ESA are discussed in the appended Subsurface Investigation Report (Appendix H). This assessment has revealed no evidence of *recognized environmental conditions* in connection with the property, except for the following:

1. Past operations on the subject property include a ceramics manufacturing facility and an automotive repair facility. Although we have observed no evidence that hazardous or regulated substances were spilled or discharged as a result of these operations, such spillage or discharge cannot be ruled out. Discharge of hazardous or regulated substances from such operations can affect soil and groundwater, and, therefore, such historical uses represent a recognized environmental condition. In addition, the site operated a NYC Transit Authority facility, which generated more than 11,000 pounds of lead-contaminated waste in 1999, which was reportedly disposed of off-site.

To verify the presence or absence of subsurface contamination originating from past site usage, we recommended that a Phase II investigation be conducted. The Phase II subsurface investigation, conducted on August 14 and 15, 2006, consisted of 16 soil borings and collection and analysis of soil samples.

Results of the Phase II investigation revealed elevated concentrations of semi-volatile organic compounds (SVOCs) in shallow subsurface soils (2'-10' depth) in the vicinity of former automotive repair operations. Low concentrations of metals were detected in all soil borings, and are likely components of coal ash and urban fill material. Boring GB-14 soil (0'-2' depth) had elevated concentrations of lead (13,400 mg/kg), which is likely to be residue of lead waste.

We recommend no further action, except removal of surface soils in the vicinity of GB-14, followed by collection of confirmatory soil samples to insure that the contaminated material has been sufficiently removed.

2.0 Introduction

2.1 Objectives

This Environmental Site Assessment (ESA) is intended to identify *recognized environmental conditions* with respect to the range of contaminants within the scope of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) and petroleum products on the subject property (defined in section 3.0). The term *recognized environmental conditions* is defined in accordance with ASTM E 1527-05 **Standard Practice of Environmental Site Assessments for Commercial Real Estate Transactions** *as the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property (ASTM 2005).*

2.2 Scope and Limitations of Report

Conrad Geoscience conducted a visual inspection of the subject property, a review of regulatory records and documents, and a review of historical records and documents in accordance with ASTM E 1527-05 and the appended Scope and Limitations (Appendix F).

2.3 Significant Assumptions

Conrad Geoscience assumes that all database records, historical information, and interviews conducted regarding the subject property are from reliable sources. No attempt was made to verify the reliability of said sources, as it is not required to verify the information provided according to Section 7.5.2.1 of ASTM E 1527-05. Conclusions and recommendations in Section 8.0 are based on information obtained from said sources and a visual inspection of the subject property. References and sources used for the preparation of this report may be viewed in Appendix G.

2.4 Special Terms and Conditions

There were no special terms or conditions applied for the preparation of this report, or additional services requested by the user, except that a Phase II investigation be conducted simultaneously with the Phase I ESA, and reported with the Phase I ESA (Appendix H).

2.5 User Reliance

Conrad Geoscience has prepared this Phase I ESA for The Ader Group. This report provides an assessment of the presence of regulated or hazardous materials, as defined by CERCLA, and an evaluation of any *recognized environmental conditions*. The Ader Group is authorized to rely on this Phase I ESA.

3.0 Site Description

3.1 Subject Property Location

The subject property is located at 3160 Park Avenue in the Borough of the Bronx, Bronx County, New York (Figure 1), on the south side of 161st Street. The subject property is further defined as Block 2419, Lot 28.

3.2 Site Features, Characteristics and Current Operations

The subject property is an approximately 40,000 square-foot vacant lot and is currently not in use. A 10-foot high temporary scaffold fence surrounds the subject property. Access to the lot is through a gate along the north side of the property on 161st Street. The property is covered by gravel in most areas with some asphalt paved areas. The property is bound by 161st Street to the north, Courtlandt Avenue to the east, 160th Street to the south and Park Avenue to the west.

The subject property is served by municipal water and sewer.

3.3 Current Uses of Adjoining Properties

The adjacent properties to the south and west are residential. Adjacent properties to the north are residential and there is also a small public park. Adjacent properties to the east are an auto repair facility (formerly a gas station) and a restaurant.

4.0 Database Search

A review of state and federal documents and databases was performed to identify recorded hazardous waste or regulated substance activities on or near the subject property. Information from state and federal databases was compiled by Environmental Data Resources (EDR), an independent subcontractor to Conrad Geoscience Corp. The information presented below is a summary of this report. A complete listing of the sources searched and a complete copy of the database report are provided in Appendix C. The search distances as assigned in ASTM E 1527-05 were used for each of the following environmental record sources.

4.1 Federal and State Hazardous Waste Sites - NPL, CERCLIS, SHWS, HSWDS

National Priority List (NPL)

The subject property is not listed with the USEPA as a National Priority Listing (NPL) hazardous waste disposal site. No NPL sites were identified within 1.0 mile of the subject property. There were no proposed or delisted NPL sites identified within 0.5 mile of the subject property.

Comprehensive Environmental Response Compensation & Liability Information System (CERCLIS)

The subject property is not listed on the USEPA CERCLIS list, which details proposed and existing federal Superfund sites, or on the CERCLIS No Further Remedial Action Planned (NFRAP) list. There were no CERCLIS or CERCLIS NFRAP sites located within 0.5 mile of the subject property.

State Hazardous Waste Sites (SHWS)

The subject property is not listed with NYSDEC as an inactive hazardous waste disposal site (SHWS). No SHWSs or delisted SHWSs were identified within 1.0 mile of the subject property.

Hazardous Substance Waste Disposal Site Inventory (HSWDS)

The subject property is not listed on New York State HSWDS Inventory. There were no HSWDSs identified within 0.5 mile of the subject property.

4.2 Hazardous Waste Treatment, Storage, or Disposal - RCRA TSD and RCRA CA

RCRA Treatment Storage Disposal (TSD)

Neither the subject property nor properties within 0.5 mile of the subject property are registered with state or federal agencies for treatment, storage, or disposal of hazardous materials.

RCRA Corrective Action Sites (CORRACTS)

The subject property is not listed with the USEPA RCRA Corrective Action program, which lists those facilities permitted by the USEPA for treatment, storage, or disposal of hazardous waste which have conducted or are currently conducting a corrective action as regulated under the Resource Conservation and Recovery Act. There were no CORRACTS facilities identified within 1.0 mile of the subject property.

4.3 Hazardous Waste Generation - RCRA SQG and LQG

The subject property is listed with the USEPA as a Large Quantity Generator (LQG) of hazardous waste, EPA ID #NYR000069187, for generation of more than 11,000 pounds of lead-contaminated soil in 1999. This material was disposed of off-site. No further information regarding this material was available. The subject property is not listed with the USEPA as a Small Quantity Generator (SQG) of hazardous waste. There were two LQGs and five SQG's identified within 0.125 mile of the subject property. The sites are discussed below:

NY City School Construction Authority, located at 224 East 163rd Street, 1,226 feet northwest of the subject property, is listed with the USEPA as an LQG of hazardous waste, EPA ID #NYR000102715.

Universal Brass Cutting Corp, located at 912-914 Courtlandt Avenue, 417 feet northeast of the subject property, is listed with the USEPA as an LQG of hazardous waste, EPA ID #NYD986979417.

Mark Boiler Repair, located at 381 East 162nd Street, 584 feet east of the subject property, is listed with the USEPA as an LQG of hazardous waste, EPA ID #NYR000072256.

NYCHA Morrisania Air Rights Houses, located at 3145 Park Avenue, 307 feet southwest of the subject property, is listed with the USEPA as an SQG of hazardous waste, EPA ID #NYR000057042.

NYCHA Morrisania Air Rights, located at 3125 Park Avenue, 474 feet southwest of the subject property, is listed with the USEPA as an SQG of hazardous waste, EPA ID #NYR000102921.

Gaseteria, located at 364 East 161st Street, 387 feet southeast of the subject property, is listed with the USEPA as an SQG of hazardous waste, EPA ID #NYU005001052.

Pietro Service Station, located at 871 Melrose Avenue, 627 feet southeast of the subject property, is listed with the USEPA as an SQG of hazardous waste, EPA ID #NYD986985190.

4.4 State Permitted Landfills (LF)/Solid Waste Disposal Sites (SWF)

Neither the subject property nor properties within 0.5 mile of the subject property are listed with NYSDEC as a solid waste facility (SWF) or landfill (LF).

4.5 Petroleum Bulk Storage - PBS

The subject property is not listed with NYSDEC as a PBS facility. Seventeen PBS facilities were identified within 0.125 mile of the subject property, and are listed below. Details of these facilities can be reviewed in Appendix C.

Underground Storage Tank (UST) Facilities:

- Emergency Medical Station, 3134 Park Avenue, southwest of the subject property, PBS #2-600564.
- Morrisania Air Rights, 3125 Park Avenue, southwest of the subject property, PBS #2-473324.
- Morrisania II Apartments, 280-300 East 161st Street, northwest of the subject property, PBS #2-600161.
- Gaseteria Oil Corp., 364 East 161st Street, northwest of the subject property, PBS #2-480401.
- 381 East 160th Equities LLC, 381 East 160th Street, southeast of the subject property, PBS #2-364215.
- Pietro Service Station, 871 Melrose Avenue, southeast of the subject property, PBS #2-600808.
- 400 East 161st Street, southeast of the subject property, PBS #2-468533.

Above Ground Storage Tank (AST) Facilities:

- 300 Associates, LLC, 300 East 159th Street, southwest of the subject property, PBS #2-605223.
- Amguil Realty Corp, 295-299 East 162nd Street, northwest of the subject property, PBS #2-605276.
- 3201-13 Park Realty, LLC, 3201-13 Park Avenue, northwest of the subject property, PBS #2-191930.
- VAGA Realty Corp., 386 East 159th Street, southeast of the subject property, PBS #2-605240.
- 364 East 159th Street, southeast of the subject property, PBS #2-604633.
- 943-45-47 Teller Ave HDFC, 943-45-47 Teller Avenue, northeast of the subject property, PBS #2-605781.
- 374 East 159th Street, southeast of the subject property. PBS #2-468517.
- Amguil Realty Corp., 390 East 162nd Street, east of the subject property, PBS #2-605275.
- Getty 257, 895 Melrose Avenue, east of the subject property, PBS #2-601176.
- 355-359 East 163rd Street, east of the subject property, PBS #2-469343.

4.6 Petroleum and Hazardous Material Releases - ERNS, SPILLS, LRST

Emergency Response Notification System (ERNS)

The subject property is not listed within the USEPA Emergency Response Notification System (ERNS), which stores information reported to the USEPA on sudden and/or accidental releases of hazardous substances to the environment.

NYSDEC Spills Database (SPILLS)

The subject property is not listed on the NYSDEC database of petroleum spills. Twelve SPILLS sites were identified within 0.125 mile of the subject property. Details of selected sites are discussed below. Sites not discussed below can be reviewed in Appendix C.

NYSDEC Spill #9103860, located at Morrisania Air Rights, 3125 Park Avenue, was reported on July 10, 1991, when 100 gallons of #4 fuel oil spilled. Affected soil and concrete were removed, and NYSDEC closed the spill file on July 11, 1991.

NYSDEC Spill #9107892, located at 215 West 159th Street, was reported on October 23, 1991, when 400 gallons of #6 fuel oil spilled. NYSDEC closed the spill file on February 5, 2004, reportedly due to a lack of information.

NYSDEC Spill #0413071, located at Pietro Gas Station, 871 Melrose Ave, was reported on March 15, 2005, due to equipment failure. The spill was closed after a tightness test was passed and new equipment was installed, but reopened when construction crews found product leaking through the gas station retaining wall into the property next door. Investigation as to the source of the problem is underway, and cost estimates are being submitted before the parties will sign a stipulation. NYSDEC has not yet re-closed the spill file.

NYSDEC Spill #9614855, located in manholes at 161st Street and Melrose Avenue, was reported on March 25, 1997. Unknown materials spilled by ConEd (possibly PCBs) were carried by rain into the manholes. NYSDEC has not yet closed the spill file.

NYSDEC Spill #0513692, located at Getty, 895 Melrose Avenue, was reported on February 27, 2006, when one gallon of both waste oil and gasoline spilled due to poor housekeeping. Corrective action was taken, and NYSDEC has not yet closed the spill file.

NYSDEC Spill #9702829, located at Gaseteria, 862 Cortland Avenue, was reported on June 5, 1997, when an open 55-gallon drum containing diesel fuel was knocked over by a vehicle. The spill was reported by the restaurant owner next door. The fuel spilled onto the road and eventually down a storm drain. Gaseteria was ordered to clean up the spill. NYSDEC has not yet closed the spill file.

NYSDEC Leaking Registered Storage Tanks (LRST)

The subject property is not listed on the NYSDEC database of leaking registered storage tanks (LRSTs). Fifty-five sites within 0.5 mile of the subject property are on file with NYSDEC as having a leaking registered storage tank. Details of selected sites are discussed below. Sites not discussed below can be reviewed in Appendix C.

NYSDEC Spill #9431679, located at Morrisania Air Rights, 3145 Park Avenue, 307 feet west-southwest of the subject property, was reported on January 13, 1995, when one gallon of #4 fuel oil spilled due to tank test failure. The tank was to be emptied and retested. NYSDEC has not yet closed the spill file.

NYSDEC Spill #9704968, located at Morrisania Air Rights, 3125 Park Avenue, 474 feet southwest of the subject property, was reported on July 25, 1997, when a #4 fuel oil tank failed a tightness test and presumably leaked. NYSDEC has not yet closed the spill file.

NYSDEC Spill #9103865, located at Morrisania Air Rights, 3125 Park Avenue, 474 feet southwest of the subject property, was reported on July 10, 1991, when 250 gallons of #2 fuel oil spilled due to overfilling. Winston Contracting conducted the cleanup, and NYSDEC closed the spill file on July 11, 1991.

NYSDEC Spill #8801261, located at the former gas station at 364 East 161st Street, adjacent to the subject property, was reported on May 10, 1988, due to tank test failure of a gasoline UST. NYSDEC has not yet closed the spill file, but says to refer to Spill #9122552, which is closed. That spill number is discussed under the SPILLS section above.

NYSDEC Spill #0207044, located at Melrose Houses, 304 East 156th Street, 1,399 feet southwest of the subject property, was reported on October 8, 2002, when soil contamination was discovered during removal of a 20,000-gallon UST. Soil was stockpiled, but no further information was available. NYSDEC not yet closed the spill file.

NYSDEC Spill #9501419, located at Clairmont Rehabilitation, 1020 College Avenue, 1,563 feet north of the subject property, was reported on May 3, 1995, when a #2 fuel oil UST failed a tightness test. NYSDEC has not yet closed the spill file.

NYSDEC Spill #0011362, located at 1020 Grand Concourse, 2,419 feet north-northwest of the subject property, was reported on January 18, 2001 when 500 gallons of #6 fuel oil spilled due to tank failure. Corrective action was taken to clean up the spill, and failed tanks were to be decommissioned. NYSDEC is awaiting a tank closure report, and has not yet closed the spill file.

NYSDEC Spill #9401207, located at Getty, 895 Melrose Avenue, 639 feet east of the subject property, was reported on April 25, 1994, due to tank failure of several USTs. Twelve 550-gallon USTs were removed and found to contain holes. 400 tons of contaminated soil were removed and two new 4,000-gallon tanks were installed. Monitoring wells were installed, and are still being tested quarterly. A product recovery system was installed in 1995, and at least

4,000 gallons of free product have been recovered thus far. NYSDEC has not yet closed the spill file.

NYSDEC Spill #9805334, located at Claremont Houses, 1100 Teller Avenue, 2,065 feet northeast of the subject property, was reported on July 29, 1998, when a #2 fuel oil UST failed a tightness test. The tank was to be isolated and retested. NYSDEC has not yet closed the spill file.

NYSDEC Spill #0505007, located at Claremont Houses, 1100 Teller Avenue, 2,065 feet northeast of the subject property, was reported on July 26, 2005, when a buried 550-gallon tank was discovered during excavation activities. The tank and 300 cubic yards of contaminated soil were removed, and endpoint soil samples were collected. NYSDEC is awaiting a final tank closure report, and has not yet closed the spill file.

NYSDEC Spill #0109786, located at Bronxchester Housing Authority, 510 East 156th Street, 2,173 feet southeast of the subject property, was reported on January 9, 2002, when contaminated soil was discovered during removal of a 20,000-gallon UST. NYSDEC reported that there was no indication that post-excavation soil samples were collected, and they have not yet closed the spill file.

4.7 Brownfield Sites

A Brownfield is any real property where redevelopment or reuse may be complicated by the presence or potential presence of hazardous waste, petroleum, pollutants, or contaminants. The subject property is not listed with NYSDEC as a Brownfield site. No Brownfield sites were identified within 0.5 mile of the subject property.

4.8 Voluntary Cleanup Program (VCP) Sites

The VCP was established to address the environmental, legal and financial barriers that hinder redevelopment and reuse of contaminated sites, and to enhance private sector cleanup of Brownfield sites by enabling parties to remediate using private rather than public funds. The subject property is not listed with NYSDEC as a VCP site. One VCP site was identified within 0.5 mile of the subject property: Parkview Commons, 421 East 160th Street, 879 feet southeast of the subject property, is listed as a VCP site for former gasoline station/automotive repair activities on the northern corner of the property. Cleanup began in February 2005.

4.9 Engineering Controls, Institutional Controls and Activity and Use Limitations

Conrad Geoscience identified no engineering controls, institutional controls or AULs in association with the subject property.

4.10 Environmental Liens

Conrad Geoscience identified no environmental liens in association with the subject property.

5.0 Physical Setting Analysis

The physical setting of the subject property was evaluated by consulting regional bedrock geology maps, topographic maps, and information pertaining to regional hydrogeology. Following, is a summary of this review.

5.1 7.5 Minute USGS Topographic Map

According to the Central Park, New York, USGS topographic map, the subject property is approximately 40 feet above mean sea level.

5.2 Bedrock Geology

According to the Lower Hudson Sheet of the Geologic Map of New York and USGS data, bedrock underlying the subject property is the Inwood Marble, consisting of dolomitic marble, calc-schist, granulite and quartzite, overlain by calcitic marble.

5.3 Surficial Geology

According to the Lower Hudson sheet of the Surficial Geologic Map of New York, unconsolidated glacial till, consisting of silty, sandy loam, overlies bedrock.

5.4 Regional Hydrogeology

Based on site topography and USGS well data, groundwater on-site is presumed to flow to the south toward the East River/Long Island Sound.

6.0 Property History

The history of the subject property and surrounding area was researched through a review of readily ascertainable standard historical sources. These sources may include current and past owners, property records, recorded land title records, property tax files, building department records and/or zoning & land use records. This review was conducted in order to identify those uses that are likely to have led to recognized environmental conditions. Following, is a summary of these findings. Documentation pertaining to the aforementioned records review is on file with Conrad Geoscience, and references are in Appendix G.

6.1 General Property History and Use

According to Sanborn Fire Insurance Maps, historical topographic maps and historical aerial photographs, the subject property contained residential buildings until the early 1900s. As early as 1940, the residential buildings in the southern section of the lot were demolished and replaced with a warehouse-style building. The city directory from 1940 lists the Courtlandt Garage as the occupant of this building (3160-3162 Park Avenue). The 1949 directory listing and 1951 Sanborn map show Zapun Ceramics, Inc. as the occupant of this building. Other occupants included the American Bible Society circa 1955-1965; Astro Carriers, Inc. circa 1970; a parking garage circa 1970s-1980s; and a grocery store circa 1980s-1990s. The NYC Buildings Department website and the database search reported that “NYCTA – Yankee Storage” operated from this building as recently as March 1999. The building at 3160 Park Avenue was demolished in 2005, and the lot is now vacant.

The northern section of the subject property contained residences and retail stores until at least 1951. The 1951 Sanborn map shows the buildings in the northeast section of the property had been replaced with a commercial building labeled as “furniture storage”. Sometime after 1951, the storage building was converted into an auto body repair shop. The repair shop operated until at least 1970, when all buildings except 3160-3162 Park Avenue were demolished. The lots remain vacant.

There was no indication in the records review as to the historical sources of heat or fuel used on the subject property. It is likely that the property utilized coal in the first half of the nineteenth century, and was served by natural gas in the latter half of the century. It is possible that heating oil tanks may have been used in the residential homes and waste oil tanks may have been used in the automotive repair facility, but no evidence was presented to support that possibility. The sub-grade cellar identified in the southwest corner of the property may support the possibility of coal as a fuel source. The brick-lined walls were stained black, and the cellar is located against the sidewalk, where coal deliveries would likely have been dropped off.

6.2 Property Ownership

The subject property is currently owned by Slane Properties, LLC. Property ownership history was researched through the NYC.gov planning department website, the prospective buyer and the environmental liens report. Previous property owners and the approximate date of purchase are listed below:

Owner/Tenant:	Approximate Date of Purchase
T & I Realty Corp.	Unknown
3160 Park Avenue LLC	3/4/1999
Slane Properties, LLC, Charles Slane	Unknown, current owner, possibly same entity as previous owner

6.3 Historical Topographic Maps

Conrad Geoscience reviewed historical USGS topographic maps from 1897, 1947, 1966, 1979 and 1995. No evidence of any recognized environmental conditions was observed during this review. The maps are attached in Appendix C.

6.4 Aerial Photographs

Conrad Geoscience reviewed aerial photographs from 1954, 1966, 1975, 1984 and 1994. The scale on the photos is approximately 1":750'. The subject property appears to have multiple buildings on it in the 1954, 1966 and 1975 photos. The 1984 and 1994 photos show only one building on the subject property, occupying the southern section of the lot. The aerial photos are attached in Appendix C.

6.5 Sanborn Fire Insurance Maps

Conrad Geoscience Corp. reviewed Sanborn Fire Insurance Maps from 1891, 1909, 1951, 1969, 1970, 1977, 1978, 1979, 1980, 1981, 1984, 1989, 1991, 1992, 1993, 1995 and 1996. The maps typically show lot boundaries and structures. The maps are attached in Appendix C, and described below.

1891: The block is divided into approximately 10 lots, all of which contain 1- or 2-story residential buildings.

1909: There are a few more buildings on the subject property, and all buildings appear to be residential.

1951: The buildings along 160th Street are gone, and there is now one building in their place, labeled Zapun Ceramics, Inc. China Manufacturing. There are still several residences on the property. The residential buildings in the northeast section of the property are gone, and replaced with a building labeled Furniture Storage. The adjacent property to the south, across 160th Street, is now labeled as an auto repair facility.

1969: Same as 1951, except the ceramics building is now labeled as a garage, and the furniture storage building is now labeled Auto Body Repair. The adjacent property to the east, across Courtlandt Avenue, is now labeled a gas station. The adjacent property to the south is still labeled as an auto repair facility.

1970: The garage is the only building labeled on the map, and all other lots appear vacant. The adjacent property to the east is still a labeled a gas station. The adjacent property to the south is still labeled as an auto repair facility.

1977: The garage is still present. The lots in the center of the property appear vacant but the buildings along Park Avenue (as seen on the 1969 map) are still present, as is the auto body repair facility on the corner of Courtlandt Avenue and 161st Street. This is believed to be a misprint, as the 1978 map is identical to the 1970 map, where the lots are vacant. The adjacent property to the east is still a labeled a gas station. The adjacent property to the south is still labeled as an auto repair facility.

1978-1981: Same as 1970 map, the garage on 160th Street and Park Avenue is still present, and all other lots are vacant. The adjacent auto repair facility and gas station are still present.

1984: Same as 1981, except the garage is now labeled Parking, and the vacant lots are also labeled Parking.

1989: Same as 1984, except the adjacent auto repair facility on 161st Street is no longer present.

1991-1996: Same as 1989.

6.6 City Directory Abstract

The city directory abstract lists telephone company records of past occupants and businesses of an address by years, and is reviewed to determine if past occupants and businesses of the subject property and adjacent properties may have led to recognized environmental conditions. The subject property is listed as the Village Superette and Associated Foods, Inc. (grocery stores) in the 1983, 1993 and 2000 directory. There were no listings for the subject property prior to 1983. Surrounding property listings were historically residential and commercial/retail. 3157 Park Avenue is listed as an auto repair facility and gas station in the 1940 directory. The directory lists this address as an auto repair facility in 1949, 1956, 1961, 1965 and 1971. This address is not listed in the directory after 1971, and during the July 24th site inspection we observed that this address is currently a residence. The city directory abstract is attached in Appendix C.

7.0 Site Inspection and Interviews

Conrad Geoscience personnel inspected the subject property on July 24, 2006. On the day of inspection, Mr. Zev Wegner, a representative of the prospective buyer, provided access to the property. Mr. Wegner was interviewed during the site inspection and provided historical site information.

7.1 General Site Observations

The subject property is accessed from East 161st Street via a gate in the chain-link fence surrounding the property. The rectangular property is covered by a gravel surface, except for an area approximately 25' by 100' area along 161st Street, extending from the western to eastern property boundary.

No structures are present. The grocery store that most recently occupied the southern portion of the property was demolished in 2005, and on the date of the site inspection, none of the structure remained except for small (5 to 10 cubic yards) quantities of brick along the southern property boundary.

One dumpster is present on the property. Contents of the dumpster consisted of demolition debris.

A brick-lined sub-grade cellar, approximately 12 feet deep and 6 feet wide is located at the southwestern corner of the property near the intersection of Park Avenue and 160th Street. The cellar is open at the surface and a door is located on the northeastern wall of the pit. A steel ladder, which was most likely fixed to the southwestern wall, was visible at the bottom of the cellar along with other unregulated solid waste and trash. This cellar may have been used for coal storage and/or deliveries.

7.2 Hazardous and Regulated Substances

Conrad Geoscience did not observe hazardous or regulated substances on the date of the site inspection.

7.3 Storage Tanks

No storage tanks were identified on the subject property.

7.4 Polychlorinated Biphenyls (PCBs)

Conrad Geoscience identified no potential sources of PCBs at this site.

7.5 Solid Waste

Household rubbish and debris are scattered across the site.

7.6 Septic System

The subject property is served by municipal sewer.

7.7 Other Conditions of Concern

None.

7.8 Interviews

On July 24, 2006, Conrad Geoscience personnel conducted an interview with Zev Wegner, an associate of the user of this Phase I, by phone. Mr. Wegner provided information pertaining to the location, address, and lot numbers of the subject property.

Conrad Geoscience personnel conducted an interview with the NYC Housing and Preservation Department over the phone. The HPD associate provided information pertaining to historical addresses and lot numbers of the subject property.

8.0 Findings and Conclusions

Conrad Geoscience personnel have conducted a Phase I Environmental Site Assessment in conformance with ASTM Standard E-1527-05 of the property at 3160 Park Avenue, Borough of the Bronx, Bronx County, New York, the subject property. Any exceptions to, or deletions from, this practice are described in Section 2 of this report. This ESA included a Phase II investigation. Results of the Phase II ESA are discussed in the appended Subsurface Investigation Report (Appendix H). This assessment has revealed no evidence of *recognized environmental conditions* in connection with the property, except for the following:

1. Past operations on the subject property include a ceramics manufacturing facility and an automotive repair facility. Although we have observed no evidence that hazardous or regulated substances were spilled or discharged as a result of these operations, such spillage or discharge cannot be ruled out. Discharge of hazardous or regulated substances from such operations can affect soil and groundwater, and, therefore, such historical uses represent a recognized environmental condition. In addition, the site operated a NYC Transit Authority facility, which generated more than 11,000 pounds of lead-contaminated waste in 1999, which was reportedly disposed of off-site.

To verify the presence or absence of subsurface contamination originating from past site usage, we recommended that a Phase II investigation be conducted. The Phase II subsurface investigation, conducted on August 14 and 15, 2006, consisted of 16 soil borings and collection and analysis of soil samples.

Results of the Phase II investigation revealed elevated concentrations of semi-volatile organic compounds (SVOCs) in shallow subsurface soils (2'-10' depth) in the vicinity of former automotive repair operations. Low concentrations of metals were detected in all soil borings, and are likely components of coal ash and urban fill material. Boring GB-14 soil (0'-2' depth) had elevated concentrations of lead (13,400 mg/kg), which is likely to be residue of lead waste.

We recommend no further action, except removal of surface soils in the vicinity of GB-14, followed by collection of confirmatory soil samples to insure that the contaminated material has been sufficiently removed.

Appendix B



May 25, 2007

Zev Wenger
The Ader Group
25 Robert Pitt Dr Ste 220
Monsey, NY 10952-3366

Re: Soil and Groundwater Sampling Data; Park Avenue Plaza, 3160 Park Avenue, Bronx,
New York;
Conrad Geoscience File #PB060262

Dear Mr. Wenger:

Conrad Geoscience has collected additional soil and groundwater data to assist in the evaluation of the above referenced site (Figure 1). Summarized below is a brief description of field activities and soil and groundwater sampling data. A more comprehensive report will be prepared and submitted at a later date.

FIELD ACTIVITIES

Delineation Borings

- On May 21, 2007, Conrad Geoscience supervised completion of 14 soil borings in the vicinity of previously collected soil sample GB-14 (0-2') to further delineate the distribution of lead in surface soils (Figure 2).
- Borings were advanced using a direct-push Geoprobe™ system with 5-foot long, 1 ¾-inch diameter core barrel (macro-core) fitted with an acetate liner.
- Soil samples were collected from 13 of the 14 borings from 0 to 1 foot below grade. Two soil samples were collected from boring DB-8; one from a depth of 0 to 1 foot and a second from 1 to 2 feet below grade. Samples were submitted to a NYSDOH ELAP approved laboratory for analysis of total lead.

Groundwater Sampling

- Three groundwater samples were collected using the Geoprobe SP-16 groundwater sampling tool and a peristaltic pump.
- Groundwater sample GW-1 was collected in the vicinity of delineation borings DB-8 and DB-9, within the footprint of the former ceramics manufacturing facility. This location was selected to evaluate the impact to groundwater from past site operations, and past automotive repair facilities south of the property.
- Groundwater sample GW-2 was collected from the northwestern corner of the property to evaluate topographically up-gradient groundwater quality.
- Groundwater sample GW-3 was collected from the northeastern portion of the property, in the vicinity of former automotive repair operations. This location was selected to evaluate the impact to groundwater from past site operations, and from the automotive repair facility immediately east of the property (corner of 161st Street and Courtlandt Avenue).
- Samples were analyzed for the STARS List of volatile and semi-volatile organic compounds (VOCs and SVOCs), and eight RCRA Metals. Because of sample turbidity, filtered samples were also collected for analysis of metals.

ANALYTICAL RESULTS

- Total lead concentrations in soil samples ranged from 25.7 to 386 mg/kg.
- No VOCs or SVOCs were detected in any of the groundwater samples.
- Of the eight metals analyzed, only barium and arsenic were detected; all concentrations were below State standards.
- Barium was detected in all groundwater samples, with the exception of GW-1-F. Concentrations ranged from 0.021 to 0.048 mg/L.
- Arsenic was detected in two of the six samples (GW-2-F and GW-2-UF), at 0.005 mg/L each.

DISCUSSION

- Lead was detected in surface soil samples at concentrations lower than previously detected in soil sample GB-14 (0-2'), from August of 2006. Although the



Park Avenue – Bronx
#PB060262
May 25, 2007
Page 3

concentration of lead exceeds the 6NYCRR Part 375 standard for Unrestricted Use, the appropriate standard for this property and future use is the Restricted Residential standard of 400 mg/kg. None of the soil samples collected exceed this standard. Regulatory involvement for remediation of soil in this area, or RCRA closure activities is not warranted.

- Groundwater samples collected from three locations indicate that past on-site and off-site activities have not adversely affected groundwater at the subject property.

If you have any questions, please do not hesitate to contact us.

Sincerely,

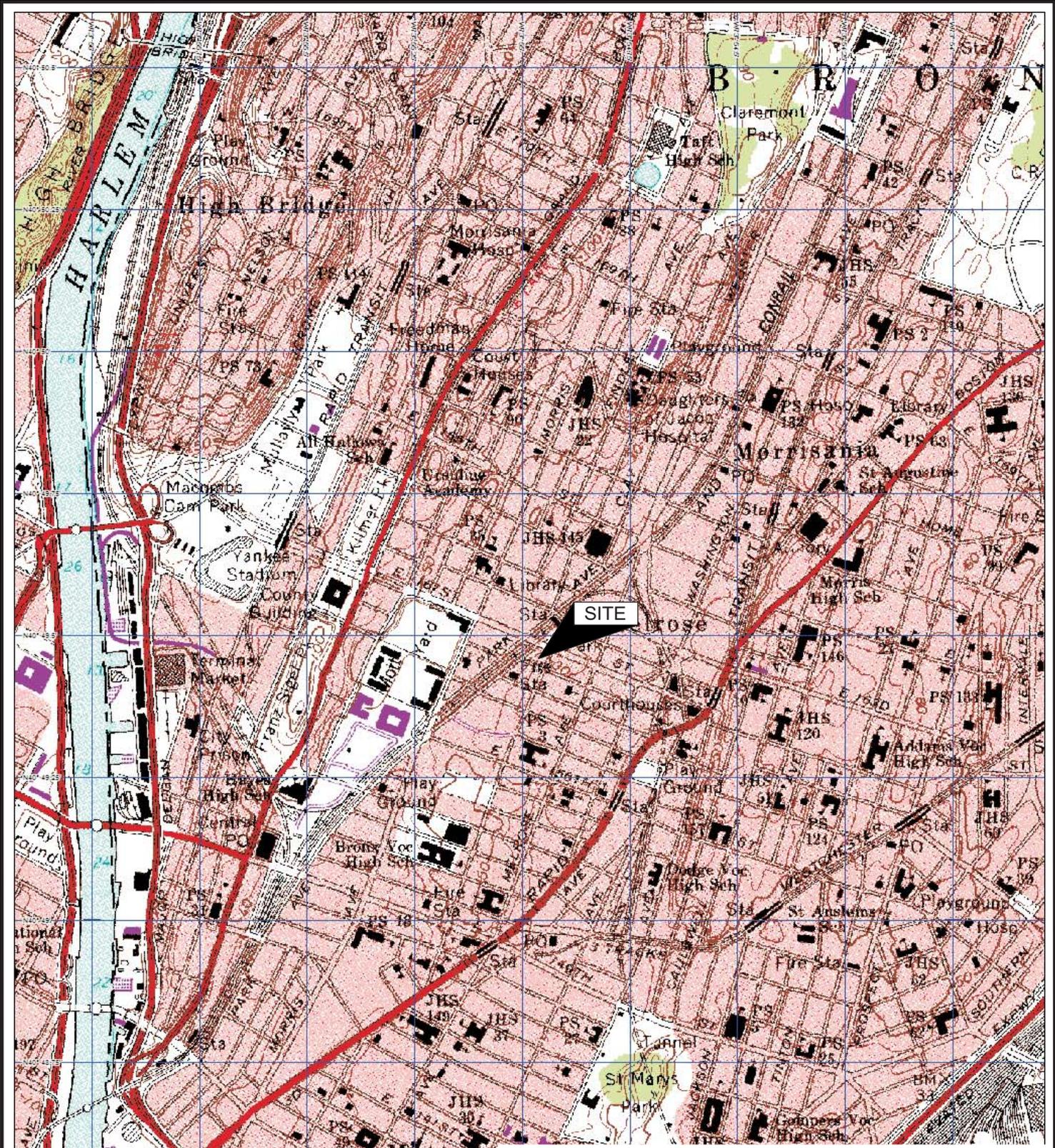
CONRAD GEOSCIENCE CORP.



Christopher B. Brown, CPG
Senior Hydrogeologist

CBB/seg





**CONRAD
GEOSCIENCE
CORP.**

8 Raymond Avenue, Poughkeepsie, New York 12603



Figure 1

SITE LOCATION MAP

Prepared By:	ADQ 8/15/06
Reviewed By:	
Revised By:	
Approved By:	CBB 8/15/06

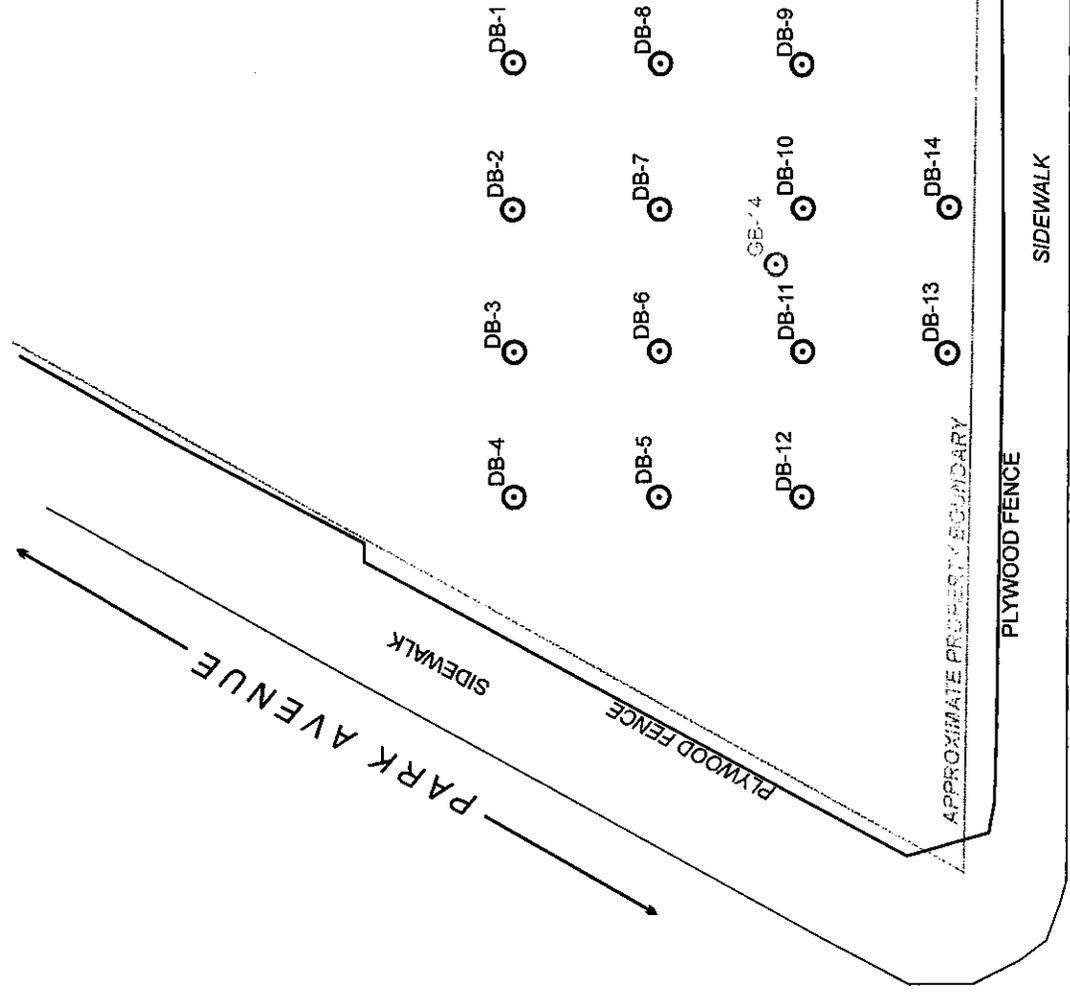
PARKING LOT
3160 Park Avenue, Bronx, NY
PB060260

3-D TopoQuads Copyright © 1999 DeLorme Yarmouth, ME 04096 Source Data: USGS

LEGEND


 GB-13
 AUGUST 2006
 SOIL BORING LOCATION


 DB-6
 MAY 2006 SOIL
 BORING LOCATION




**CONRAD
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 One Civic Center Plaza, Poughkeepsie, New York 12601



Figure 2		SELECTED SITE FEATURES MAP	
Prepared By:	CBB 5/27/07		
Reviewed By:			
Revised By:			
Approved By:			
		VACANT LOT 3160 Park Avenue, Bronx, NY PB060262	

0 FEET 20
 10
 ALL LOCATIONS APPROXIMATE



Table 1. Total Lead in Geoprobe™ Soil Samples; USEPA Method 6010; collected May 21, 2007;
 Parking Lot, 3160 Park Avenue, Bronx, New York;
 Conrad Geoscience File #PB060261

Chemical Constituent	NYSDEC Limit ¹	DB-1 (0-1')	DB-2 (0-1')	DB-3 (0-1')	DB-4 (0-1')	DB-5 (0-1')	DB-6 (0-1')	DB-7 (0-1')	DB-8 (0-1')	
Inorganic Parameters										
Lead	63 ¹	400 ²	173	161	95.8	25.7	275	344	200	234

Chemical Constituent	NYSDEC Limit ¹	DB-8 (1-2')	DB-9 (0-1')	DB-10 (0-1')	DB-11 (0-1')	DB-12 (0-1')	DB-13 (0-1')	DB-14 (0-1')	
Inorganic Parameters									
Lead	63 ¹	400 ²	386	354	334	199	347	252	225

Notes:
 1 – Standards are for soils according to NYSDEC 6NYCRR Part 375, *Unrestricted Use Soil Cleanup Objectives*;
 2 – Standards are for soils according to NYSDEC 6NYCRR Part 375, *Restricted Residential Use Soil Cleanup Objectives*.
 All concentrations are in mg/kg (ppm) unless otherwise indicated.
Boldface type designates those compounds detected at concentrations exceeding NYSDEC standards;

Table 2

8 RCRA Metals in Groundwater Samples; USEPA Method 6010; collected **May 21, 2007;** Parking Lot, 3160 Park Avenue, Bronx, New York;
Conrad Geoscience File #PB060262

Chemical Constituent	NYSDEC Limit ¹	GW-1-F	GW-1-UF	GW-2-F	GW-2-UF	GW-3-F	GW-3-UF
<i>Inorganic Parameters</i>							
Arsenic	0.025	ND<0.005	ND<0.005	0.005	0.005	ND<0.005	ND<0.005
Barium	1.0	ND<0.025	0.021	0.040	0.048	0.030	0.037
Cadmium	0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005
Chromium	0.050	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
Lead	0.025	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005
Mercury	0.007	ND<0.0002	ND<0.0002	ND<0.0002	ND<0.0002	ND<0.0002	ND<0.0002
Selenium	0.010	ND<0.025	ND<0.025	ND<0.025	ND<0.025	ND<0.025	ND<0.025
Silver	0.050	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010



Table 3.

Volatile Organic Compounds (VOCs) in Groundwater Samples; USEPA Method 8021(STARS); collected **May 21, 2007**; Parking Lot, 3160 Park Avenue, Bronx, New York; Conrad Geoscience File #PB060262

Constituent	NYSDEC Limit ¹	GW-1-UF	GW-2-UF	GW-3-UF
Volatile Organic Compounds				
Benzene	0.7	ND<0.700	ND<0.700	ND<0.700
n-Butylbenzene	5	ND<2.00	ND<2.00	ND<2.00
sec-Butylbenzene	5	ND<2.00	ND<2.00	ND<2.00
tert-butylbenzene	5	ND<2.00	ND<2.00	ND<2.00
Ethylbenzene	5	ND<2.00	ND<2.00	ND<2.00
n-Propylbenzene	5	ND<2.00	ND<2.00	ND<2.00
Isopropylbenzene	5	ND<5.00	ND<5.00	ND<5.00
p-Isopropyltoluene	5	ND<2.00	ND<2.00	ND<2.00
Naphthalene	10	ND<5.00	ND<5.00	ND<5.00
Toluene	5	ND<2.00	ND<2.00	ND<2.00
1, 2, 4 – Trimethylbenzene	5	ND<2.00	ND<2.00	ND<2.00
1, 3, 5 – Trimethylbenzene	5	ND<2.00	ND<2.00	ND<2.00
m,p –Xylenes	5	ND<2.00	ND<2.00	ND<2.00
o – Xylene	5	ND<2.00	ND<2.00	ND<2.00
Methyl tert-butyl ether	10	ND<2.00	ND<2.00	ND<2.00

Notes:

- 1 - Standards are for groundwater according to 6NYCRR Part 700-705,
 All concentrations are in ppb (ug/l),
 ND = Not detected, detection limit listed,
 Boldface type designates those compounds detected at concentrations exceeding NYSDEC standard.



Table 4.

Semi-Volatile Organic Compounds (SVOCs) in Groundwater Samples; USEPA Method 8270 (STARS); collected **May 21, 2007**; Parking Lot, 3160 Park Avenue, Bronx, New York; Conrad Geoscience File #PB060262

Constituent	NYSDEC Limit ¹	GW-1-UF	GW-2-UF	GW-3-UF
Semi-Volatile Organic Compounds				
Acenaphthene	20	ND<10.0	ND<10.0	ND<10.0
Acenaphthylene	50	ND<10.0	ND<10.0	ND<10.0
Anthracene	50	ND<10.0	ND<10.0	ND<10.0
Benzo(a)anthracene	0.002	ND<10.0	ND<10.0	ND<10.0
Benzo(a)pyrene	0.002	ND<10.0	ND<10.0	ND<10.0
Benzo(b)fluoranthene	0.002	ND<10.0	ND<10.0	ND<10.0
Benzo(g,h,i)perylene	0.002	ND<10.0	ND<10.0	ND<10.0
Benzo(k)fluoranthene	0.002	ND<10.0	ND<10.0	ND<10.0
Chrysene	0.002	ND<10.0	ND<10.0	ND<10.0
Dibenz (a,h) anthracene	50	ND<10.0	ND<10.0	ND<10.0
Fluoranthene	50	ND<10.0	ND<10.0	ND<10.0
Fluorene	50	ND<10.0	ND<10.0	ND<10.0
Indeno(1,2,3-cd)pyrene	0.002	ND<10.0	ND<10.0	ND<10.0
Naphthalene	10	ND<10.0	ND<10.0	ND<10.0
Phenanthrene	50	ND<10.0	ND<10.0	ND<10.0
Pyrene	50	ND<10.0	ND<10.0	ND<10.0

Note

1 - Standards are for groundwater according to 6NYCRR Part 700-705;

All concentrations are in ppb (ug/Kg);

ND = Not detected, detection limit listed;

Boldface type designates those compounds detected at concentrations exceeding NYSDEC standards;

NS = Not sampled.



Appendix C



August 28, 2006

Abraham Srulowitz
The Ader Group
25 Robert Pitt Drive, Suite 220
Monsey, New York 10952

Re: Phase II Subsurface Investigation Report, 3160 Park Avenue, Bronx, New York;
Conrad Geoscience File #PB060261

Dear Mr. Srulowitz:

Conrad Geoscience conducted this Phase II investigation for the above referenced property (Figure 1) in conjunction with, and as an appendix to, the preceding Phase I Environmental Site Assessment (ESA). Based on findings of the Phase I ESA, Conrad Geoscience recommended that soil borings be completed to determine the presence or absence of subsurface contaminants that could have potentially originated from past on-site operations or off-site sources.

1.0 SOIL BORING PROGRAM

On August 14 and 15, 2006, Conrad Geoscience completed seventeen soil borings (GB-1 through GB-17) (Figure 2). Borings were advanced using a direct-push Geoprobe™ system operated by Aquifer Drilling and Testing (ADT), to depths ranging from 6 to 20 feet. Soil samples were collected by driving a 5-foot long, 1 3/4-inch diameter core barrel (macro-core) fitted with an acetate liner. Soil samples were collected continuously from the ground surface to the bottom of each boring. A Conrad Geoscience geologist logged the soil borings and screened samples for the presence of volatile organic compounds (VOCs) using a photoionization detector (PID) and headspace methods.

One soil sample from each boring was selected for analysis, retained in laboratory provided containers, packed on ice and shipped via overnight delivery to Paradigm Environmental Services, Inc. Samples were analyzed for the TCL list of VOCs via USEPA Method 8260 and the eight RCRA Metals. Soil samples collected from the vicinity of former automotive repair operations were also analyzed for semi-volatile organic compounds (SVOCs) via USEPA Method 8270.

A description of each completed boring follows. Boring logs are attached.

Geoprobe™ Boring GB-1 was advanced to a depth of 20 feet below land surface (bls). Groundwater was not encountered. One soil sample from 12 to 14 feet bls was

retained for laboratory analysis [*GB-1 (12-14')*]. PID readings ranged from 0 to 95 parts per million (ppm).

Geoprobe™ Boring GB-2 was advanced to a depth of 20 feet bls. Groundwater was not encountered. One soil sample from 0 to 5 feet bls was retained for laboratory analysis [*GB-2 (0-5')*]. PID readings ranged from 0 to 15 ppm.

Geoprobe™ Boring GB-3 was advanced to a depth of 20 feet bls. Groundwater was not encountered. One soil sample from 5 to 10 feet bls was retained for laboratory analysis [*GB-3 (5'-10')*]. PID readings ranged from 0 to 160 ppm.

Geoprobe™ Boring GB-4 was advanced to a depth of 20 feet bls. Groundwater was not encountered. One soil sample from 12 to 14 feet bls was retained for laboratory analysis [*GB-4 (12-14')*]. PID readings ranged from 0 to 42.1 ppm.

Geoprobe™ Boring GB-5 was advanced to a depth of 20 feet bls. Groundwater was not encountered. One soil sample from 12 to 14 feet bls was retained for laboratory analysis [*GB-5 (12-14')*]. PID readings ranged from 0 to 6.5 ppm.

Geoprobe™ Boring GB-6 was advanced to a depth of 20 feet bls. Groundwater was not encountered. One soil sample from 7 to 10 feet bls was retained for laboratory analysis [*GB-6 (7-10')*]. PID readings ranged from 0 to 23 ppm.

Geoprobe™ Boring GB-7 was advanced to a depth of 20 feet bls. Groundwater was not encountered. One soil sample from 12 to 14 feet bls was retained for laboratory analysis [*GB-7 (12-14')*]. PID readings ranged from 0 to 22 ppm.

Geoprobe™ Boring GB-8 was advanced to a depth of 17 feet bls. Groundwater was not encountered. One soil sample from 2 to 4 feet bls was retained for laboratory analysis [*GB-8 (2-4')*]. PID readings ranged from 0 to 21.8 ppm.

Geoprobe™ Boring GB-9 met refusal in the shallow subsurface. A soil sample was not collected.

Geoprobe™ Boring GB-10 was advanced to a depth of 12 feet bls. Groundwater was not encountered. One soil sample from 9 to 10 feet bls was retained for laboratory analysis [*GB-10 (9-10')*]. All PID readings were 0 ppm.

Geoprobe™ Boring GB-11 was advanced to a depth of 15 feet bls. Groundwater was not encountered. One soil sample from 0 to 5 feet bls was retained for laboratory analysis [*GB-11 (0-5')*]. PID readings ranged from 2.2 to 14.6 ppm.



Geoprobe™ Boring GB-12 was advanced to a depth of 9 feet bls. Groundwater was not encountered. One soil sample from 5 to 7 feet bls was retained for laboratory analysis [*GB-12 (5-7')*]. PID readings ranged from 364 to 908 ppm.

Geoprobe™ Boring GB-13 was advanced to a depth of 9 feet bls. Groundwater was not encountered. One soil sample from 5 to 9 feet bls was retained for laboratory analysis [*GB-13 (5-9')*]. PID readings ranged from 219 to 298 ppm.

Geoprobe™ Boring GB-14 was advanced to a depth of 6 feet bls. Groundwater was not encountered. One soil sample from 0 to 2 feet bls was retained for laboratory analysis [*GB-14 (0-2')*]. PID readings ranged from 0 to 380 ppm.

Geoprobe™ Boring GB-15 was advanced to a depth of 10 feet bls. Groundwater was not encountered. One soil sample from 6 to 8 feet bls was retained for laboratory analysis [*GB-15 (6-8')*]. PID readings ranged from 77.5 to 184 ppm.

Geoprobe™ Boring GB-16 was advanced to a depth of 14 feet bls. Groundwater was not encountered. One soil sample from 11 to 13 feet bls was retained for laboratory analysis [*GB-16 (11-13')*]. PID readings ranged from 0 to 21.2 ppm.

Geoprobe™ Boring GB-17 was advanced to a depth of 12 feet bls. Groundwater was not encountered. One soil sample from 10 to 12 feet bls was retained for laboratory analysis [*GB-17 (10-12')*]. PID readings ranged from 0 to 4.9 ppm.

2.0 RESULTS

Volatile Organic Compounds

No VOCs were detected above recommended soil cleanup objectives set forth in NYSDEC *Technical & Administrative Guidance Memorandum (TAGM) #4046* in any of the sixteen soil samples collected. Table 1 summarizes analytical results from these samples. Laboratory reports are attached.

Semi-Volatile Organic Compounds

Soil samples from GB-1 - GB-8 and GB-10, completed in the vicinity of former automotive repair operations, were analyzed for SVOCs. SVOCs were detected in five soil samples. Three of the five soil samples contained SVOCs above TAGM standards: *GB-3 (5-10')*; *GB-6 (7-10')*; and *GB-8 (2-4')*. *GB-3 (5-10')* exceeded TAGMs for benzo(a)anthracene; benzo(a)pyrene; benzo(b)fluoranthene; and chrysene. *GB-6 (7-10')* exceeded TAGMs for benzo(a)anthracene; benzo(a)pyrene; and chrysene. *GB-8 (2-4')* exceeded TAGMs for benzo(a)anthracene; benzo(a)pyrene; benzo(b)fluoranthene;



benzo(k)fluoranthene; and chrysene. Table 2 summarizes analytical results from these samples. Laboratory reports are attached.

Metals

Metals were detected above TAGM recommended soil cleanup objectives in all of the sixteen soil samples collected. Table 3 summarizes analytical results from these samples. Laboratory reports are attached.

In samples collected from GB-1, GB-2, GB-3, GB-4, GB-5, GB-6, GB-7, GB-10, GB-15, GB-16 and GB-17, only one metal, chromium, was detected at concentrations exceeding recommended soil cleanup objectives.

In *GB-8 (2-4')*, two metals were detected at concentrations exceeding recommended soil cleanup objectives: Chromium (23.6 mg/kg) and mercury (0.2519 mg/kg).

In *GB-11 (0-5')*, two metals were detected at concentrations exceeding recommended soil cleanup objectives: Chromium (14.3 mg/kg) and mercury (0.2352 mg/kg).

In *GB-12 (5-7')*, two metals were detected at concentrations exceeding recommended soil cleanup objectives: Chromium (23.1 mg/kg) and mercury (0.1172 mg/kg).

In *GB-13 (5-9')*, two metals were detected at concentrations exceeding recommended soil cleanup objectives: Chromium (14.3 mg/kg) and mercury (0.1664 mg/kg).

In *GB-14 (0-2')*, six metals were detected at concentrations exceeding recommended soil cleanup objectives: Arsenic (10.7 mg/kg); barium (2,690 mg/kg); cadmium (1.44 mg/kg); chromium (17.8 mg/kg); lead (13,400 mg/kg) and mercury (0.1889 mg/kg).

3.0 DISCUSSION & CONCLUSIONS

- No VOCs were detected in any of the sixteen soil boring samples collected, indicating that elevated PID readings in Geoprobe™ borings may have been the result of moisture or other instrument interference.
- Five of the nine samples analyzed for SVOCs contained detectable SVOC concentrations. Contamination is confined to soils in the 0 to 10-foot range. The presence of SVOCs in surface and subsurface soils may be representative of urban fill material. Such material sometimes contains coal ash, which can contain SVOCs. The SVOC and metal content of soil samples collected on site are consistent with those ordinarily found in coal, coal ash, coal residue and cinders: Arsenic, cadmium, chromium, lead and mercury. Coal ash is a common component of the “urban fill”



3160 Park Ave – Bronx, NY
#PB060261
August 28, 2006
Page 5

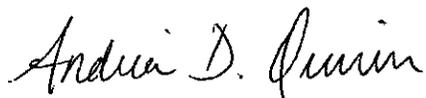
used to fill and stabilize shorelines throughout the New York metropolitan area in the 1800s and early 1900s.

- Lead detected in *GB-14 (0-2')* may be a result of former operations on the subject property. The Phase I investigation revealed that 6 tons of lead-contaminated material were generated on-site and disposed of off-site in 1999. No information regarding the origin, nature, location or source of the contamination was available or discovered. The lead detected in GB-14 is likely to represent incomplete removal of lead-contaminated waste in 1999.
- Although several SVOCs and metals exceed applicable guidelines, their presence in the shallow subsurface does not represent a threat to groundwater.

Based on the investigation summarized above, Conrad Geoscience recommends no further investigation or remediation of this site, except that additional lead-contaminated material may need to be removed from the vicinity of GB-14. If you have any questions or comments, please do not hesitate to call.

Sincerely,

CONRAD GEOSCIENCE CORP.



Andria D. Quinn
Geologist

ADQ/seg

attachments





3-D TopoQuads Copyright © 1999 DeLorme Yarmouth, ME 04096 Source Data: USGS



**CONRAD
GEOSCIENCE
CORP.**

8 Raymond Avenue, Poughkeepsie, New York 12603



Figure 1

SITE LOCATION MAP

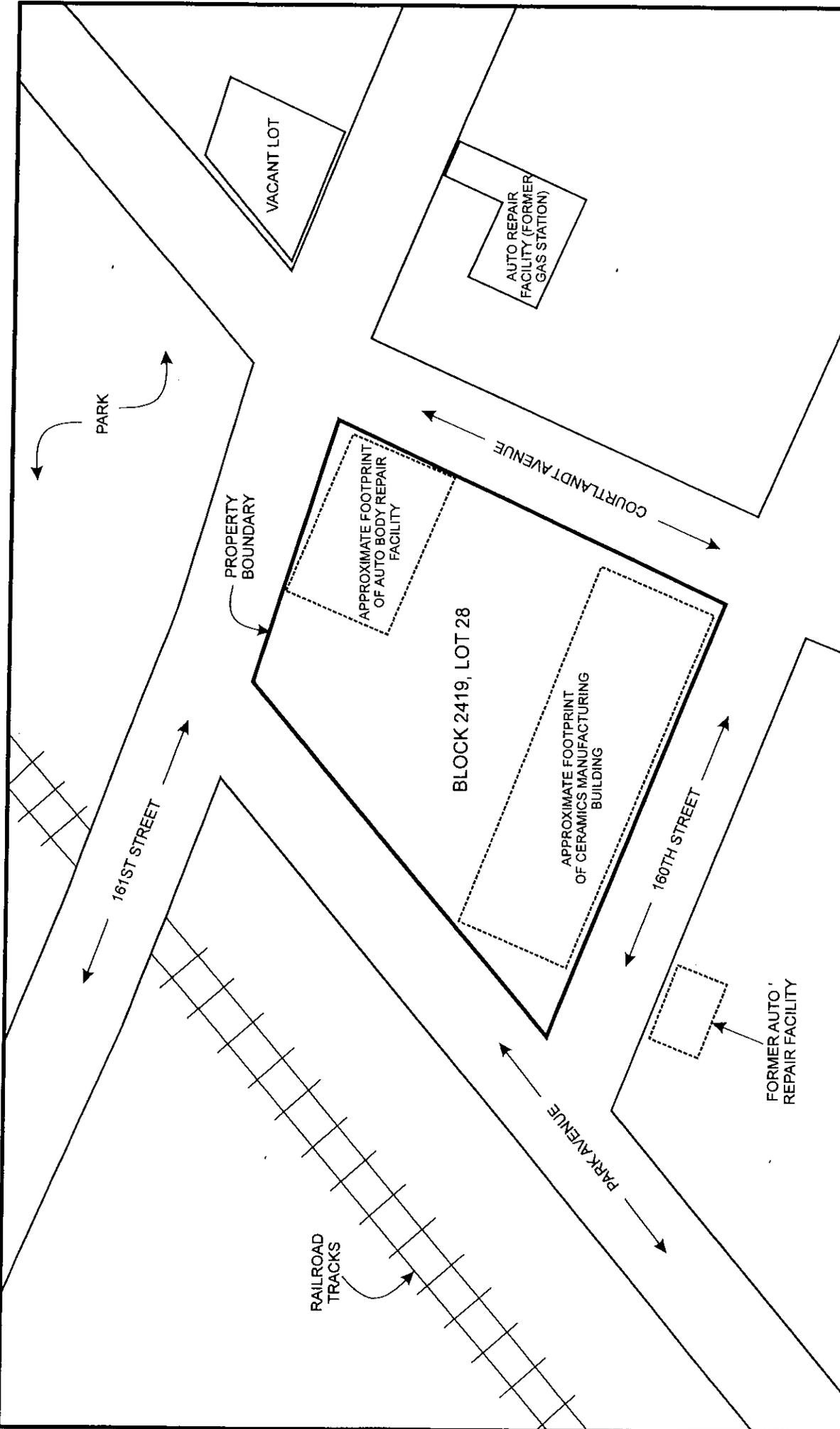
Prepared By: ADQ 8/15/06

Reviewed By:

Revised By:

Approved By: CBB 8/15/06

PARKING LOT
3160 Park Avenue, Bronx, NY
PB060260




**CONRAD
GEOSCIENCE
CORP.**
8 Raymond Avenue, Poughkeepsie, New York 12603



Figure 2

Prepared By:	ADQ 8/1/06
Reviewed By:	
Revised By:	
Approved By:	CBB 8/1/06

SELECTED SITE FEATURES MAP

VACANT LOT
3160 Park Avenue, Bronx, NY
PB060260



ALL LOCATIONS APPROXIMATE

161ST STREET

COURTLANDT AVENUE

160TH STREET

PARK AVENUE



**CONRAD
GEOSCIENCE
CORP.**
8 Raymond Avenue, Poughkeepsie, New York 12603

SOIL BORING LOCATION MAP

VACANT LOT
3160 Park Avenue, Bronx, NY
PB060260

Figure 3

Prepared By:	ADQ 8/28/06
Reviewed By:	
Revised By:	
Approved By:	JAC 8/28/06

Scale in Feet
0 15 30

ALL LOCATIONS APPROXIMATE

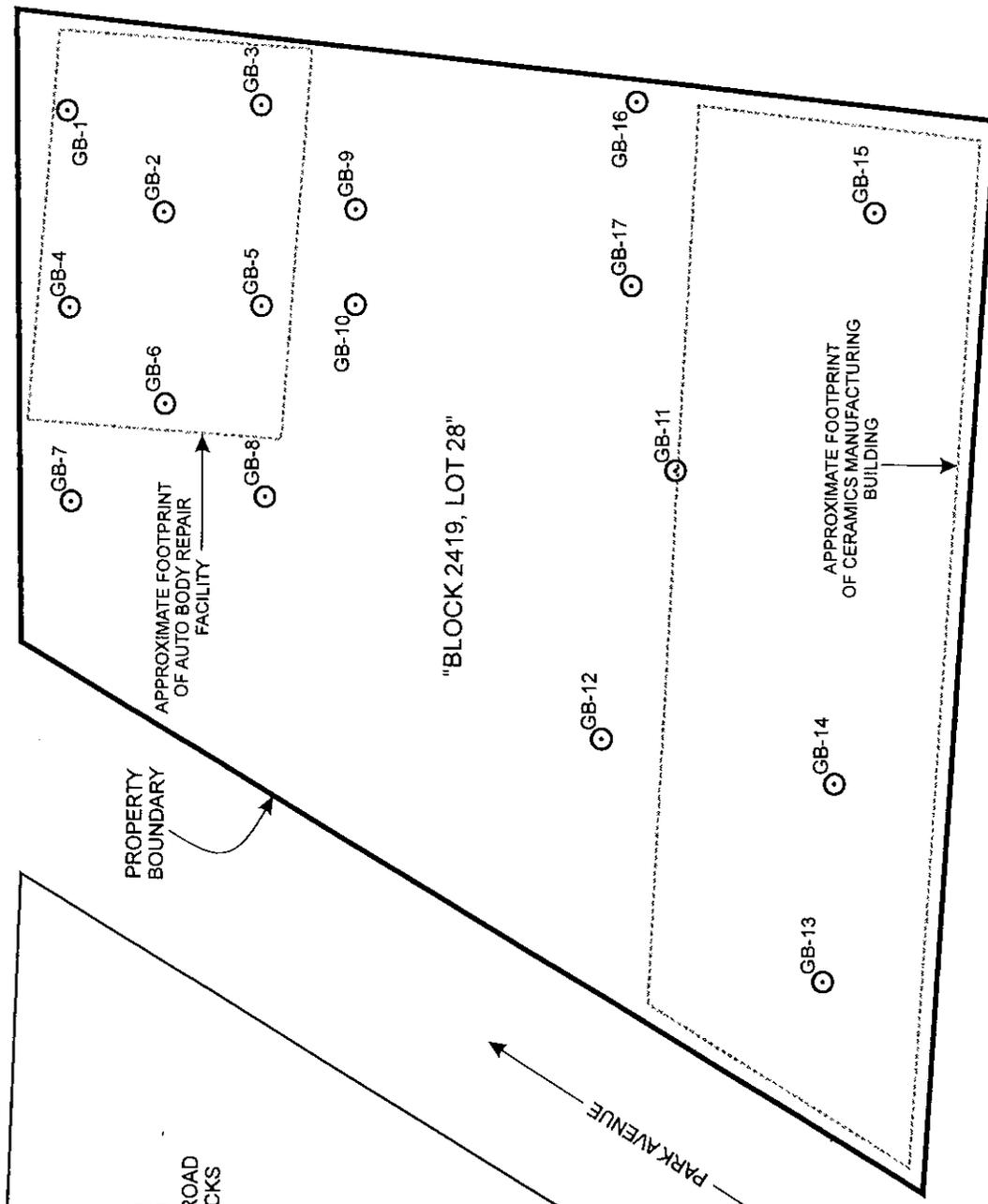


Table 1.

Volatile Organic Compounds (VOCs) in Geoprobe Soil Samples; USEPA Method 8260;
 collected **August 14 and 15, 2006;** Parking Lot, 3160 Park Avenue, Bronx, New York;
 Conrad Geoscience File #PB060261

Constituent	NYSDEC Limit ¹	Sample Identification							
		GB-1 (12-14')	GB-2 (0-5')	GB-3 (5-10')	GB-4 (12-14')	GB-5 (12-14')	GB-6 (7-10')	GB-7 (12-14')	GB-8 (2-4')
Volatile Organic Compounds									
Bromodichloromethane	10,000	ND<9.07	ND<10.0	ND<7.63	ND<9.57	ND<7.34	ND<9.49	ND<6.91	ND<9.72
Bromomethane	10,000	ND<9.07	ND<10.0	ND<7.63	ND<9.57	ND<7.34	ND<9.49	ND<6.91	ND<9.72
Bromoform	10,000	ND<9.07	ND<10.0	ND<7.63	ND<9.57	ND<7.34	ND<9.49	ND<6.91	ND<9.72
Carbon tetrachloride	600	ND<9.07	ND<10.0	ND<7.63	ND<9.57	ND<7.34	ND<9.49	ND<6.91	ND<9.72
Chloroethane	1,900	ND<9.07	ND<10.0	ND<7.63	ND<9.57	ND<7.34	ND<9.49	ND<6.91	ND<9.72
Chloromethane	10,000	ND<9.07	ND<10.0	ND<7.63	ND<9.57	ND<7.34	ND<9.49	ND<6.91	ND<9.72
2-Chloroethyl vinyl ether	10,000	ND<9.07	ND<10.0	ND<7.63	ND<9.57	ND<7.34	ND<9.49	ND<6.91	ND<9.72
Chloroform	300	ND<9.07	ND<10.0	ND<7.63	ND<9.57	ND<7.34	ND<9.49	ND<6.91	ND<9.72
Dibromochloromethane	NE	ND<9.07	ND<10.0	ND<7.63	ND<9.57	ND<7.34	ND<9.49	ND<6.91	ND<9.72
1,1-Dichloroethane	200	ND<9.07	ND<10.0	ND<7.63	ND<9.57	ND<7.34	ND<9.49	ND<6.91	ND<9.72
1,2-Dichloroethane	100	ND<9.07	ND<10.0	ND<7.63	ND<9.57	ND<7.34	ND<9.49	ND<6.91	ND<9.72
1,1-Dichloroethene	400	ND<9.07	ND<10.0	ND<7.63	ND<9.57	ND<7.34	ND<9.49	ND<6.91	ND<9.72
cis-1, 2-Dichloroethene	10,000	ND<9.07	ND<10.0	ND<7.63	ND<9.57	ND<7.34	ND<9.49	ND<6.91	ND<9.72
trans-1,2-Dichloroethene	300	ND<9.07	ND<10.0	ND<7.63	ND<9.57	ND<7.34	ND<9.49	ND<6.91	ND<9.72
1,2-Dichloropropane	10,000	ND<9.07	ND<10.0	ND<7.63	ND<9.57	ND<7.34	ND<9.49	ND<6.91	ND<9.72
cis-1,3-Dichloropropene	10,000	ND<9.07	ND<10.0	ND<7.63	ND<9.57	ND<7.34	ND<9.49	ND<6.91	ND<9.72
trans-1,3-Dichloropropene	10,000	ND<9.07	ND<10.0	ND<7.63	ND<9.57	ND<7.34	ND<9.49	ND<6.91	ND<9.72
Methylene chloride	100	ND<22.7	ND<25.0	ND<19.1	ND<23.9	ND<18.4	ND<23.7	ND<17.3	ND<24.3
1,1,2,2-Tetrachloroethane	600	ND<9.07	ND<10.0	ND<7.63	ND<9.57	ND<7.34	ND<9.49	ND<6.91	ND<9.72
Tetrachloroethene	1,400	ND<9.07	ND<10.0	ND<7.63	ND<9.57	ND<7.34	ND<9.49	ND<6.91	ND<9.72
1,1,1-Trichloroethane	800	ND<9.07	ND<10.0	ND<7.63	ND<9.57	ND<7.34	ND<9.49	ND<6.91	ND<9.72
1,1,2-Trichloroethane	6,000	ND<9.07	ND<10.0	ND<7.63	ND<9.57	ND<7.34	ND<9.49	ND<6.91	ND<9.72
Trichloroethene	700	ND<9.07	ND<10.0	ND<7.63	ND<9.57	ND<7.34	ND<9.49	ND<6.91	ND<9.72
Trichlorofluoromethane	10,000	ND<9.07	ND<10.0	ND<7.63	ND<9.57	ND<7.34	ND<9.49	ND<6.91	ND<9.72
Vinyl Chloride	200	ND<9.07	ND<10.0	ND<7.63	ND<9.57	ND<7.34	ND<9.49	ND<6.91	ND<9.72

Notes:

1 - Standards are for soils according to NYSDEC TAGM 4046, *Recommended Soil Cleanup Objectives*;
 All concentrations are in ug/kg (ppb) unless otherwise indicated;
 Boldface type designates those compounds detected at concentrations exceeding NYSDEC standards;
 NE = No standard established.

Table 1 cont'd. **Volatile Organic Compounds (VOCs) in Geoprobe Soil Samples; USEPA Method 8260;** collected **August 14 and 15, 2006;** Parking Lot, 3160 Park Avenue, Bronx, New York; Conrad Geoscience File #PB060261

Constituent	NYSDEC Limit ¹	Sample Identification							
		GB-1 (12-14')	GB-2 (0-5')	GB-3 (5-10')	GB-4 (12-14')	GB-5 (12-14')	GB-6 (7-10')	GB-7 (12-14')	GB-8 (2-4')
Volatile Organic Compounds									
Benzene	60	ND<9.07	ND<10.0	ND<7.63	ND<9.57	ND<7.34	ND<9.49	ND<6.91	ND<9.72
Chlorobenzene	1,700	ND<9.07	ND<10.0	ND<7.63	ND<9.57	ND<7.34	ND<9.49	ND<6.91	ND<9.72
Ethylbenzene	5,500	ND<9.07	ND<10.0	ND<7.63	ND<9.57	ND<7.34	ND<9.49	ND<6.91	ND<9.72
Toluene	1,500	ND<9.07	13.6	ND<7.63	ND<9.57	ND<7.34	25.6	ND<6.91	26.4
m/p-Xylene	1,200	ND<9.07	ND<10.0	ND<7.63	ND<9.57	ND<7.34	13.3	ND<6.91	10.7
o-Xylene	1,200	ND<9.07	ND<10.0	ND<7.63	ND<9.57	ND<7.34	ND<9.49	ND<6.91	ND<9.72
Styrene	10,000	ND<9.07	ND<10.0	ND<7.63	ND<9.57	ND<7.34	ND<9.49	ND<6.91	ND<9.72
1,2-Dichlorobenzene	7,900	ND<9.07	ND<10.0	ND<7.63	ND<9.57	ND<7.34	ND<9.49	ND<6.91	ND<9.72
1,3-Dichlorobenzene	1,600	ND<9.07	ND<10.0	ND<7.63	ND<9.57	ND<7.34	ND<9.49	ND<6.91	ND<9.72
1,4-Dichlorobenzene	8,500	ND<9.07	ND<10.0	ND<7.63	ND<9.57	ND<7.34	ND<9.49	ND<6.91	ND<9.72
Acetone	200	ND<45.3	ND<50.0	ND<38.1	ND<47.8	ND<36.7	ND<47.4	ND<34.5	ND<48.6
2-Butanone	300	ND<22.7	ND<25.0	ND<19.1	ND<23.9	ND<18.4	ND<23.7	ND<17.3	ND<24.3
2-Hexanone	10,000	ND<22.7	ND<25.0	ND<19.1	ND<23.9	ND<18.4	ND<23.7	ND<17.3	ND<24.3
4-Methyl-2-pentanone	1,000	ND<22.7	ND<25.0	ND<19.1	ND<23.9	ND<18.4	ND<23.7	ND<17.3	ND<24.3
Carbon disulfide	2,700	ND<22.7	ND<25.0	ND<19.1	ND<23.9	ND<18.4	ND<23.7	ND<17.3	ND<24.3
Vinyl acetate	10,000	ND<22.7	ND<25.0	ND<19.1	ND<23.9	ND<18.4	ND<23.7	ND<17.3	ND<24.3

Notes:
1 - Standards are for soils according to NYSDEC TAGM 4046, *Recommended Soil Cleanup Objectives*;
All concentrations are in ug/kg (ppb) unless otherwise indicated;
Boldface type designates those compounds detected at concentrations exceeding NYSDEC standards;
NE = No standard established.

Table 1 cont'd. **Volatile Organic Compounds (VOCs) in Geoprobe Soil Samples; USEPA Method 8260;** collected **August 14 and 15, 2006;** Parking Lot, 3160 Park Avenue, Bronx, New York; Conrad Geoscience File #PB060261

Constituent	NYSDEC Limit ¹	Sample Identification							
		GB-10 (9-10')	GB-11 (0-5')	GB-12 (5-7')	GB-13 (5-9')	GB-14 (0-2')	GB-15 (6-8')	GB-16 (11-13')	GB-17 (10-12')
Volatile Organic Compounds									
Bromodichloromethane	10,000	ND<8.38	ND<7.00	ND<9.97	ND<9.41	ND<9.81	ND<10.0	ND<7.91	ND<8.84
Bromomethane	10,000	ND<8.38	ND<7.00	ND<9.97	ND<9.41	ND<9.81	ND<10.0	ND<7.91	ND<8.84
Bromoform	10,000	ND<8.38	ND<7.00	ND<9.97	ND<9.41	ND<9.81	ND<10.0	ND<7.91	ND<8.84
Carbon tetrachloride	600	ND<8.38	ND<7.00	ND<9.97	ND<9.41	ND<9.81	ND<10.0	ND<7.91	ND<8.84
Chloroethane	1,900	ND<8.38	ND<7.00	ND<9.97	ND<9.41	ND<9.81	ND<10.0	ND<7.91	ND<8.84
Chloromethane	10,000	ND<8.38	ND<7.00	ND<9.97	ND<9.41	ND<9.81	ND<10.0	ND<7.91	ND<8.84
2-Chloroethyl vinyl ether	10,000	ND<8.38	ND<7.00	ND<9.97	ND<9.41	ND<9.81	ND<10.0	ND<7.91	ND<8.84
Chloroform	300	ND<8.38	ND<7.00	ND<9.97	ND<9.41	ND<9.81	ND<10.0	ND<7.91	ND<8.84
Dibromochloromethane	NE	ND<8.38	ND<7.00	ND<9.97	ND<9.41	ND<9.81	ND<10.0	ND<7.91	ND<8.84
1,1-Dichloroethane	200	ND<8.38	ND<7.00	ND<9.97	ND<9.41	ND<9.81	ND<10.0	ND<7.91	ND<8.84
1,2-Dichloroethane	100	ND<8.38	ND<7.00	ND<9.97	ND<9.41	ND<9.81	ND<10.0	ND<7.91	ND<8.84
1,1-Dichloroethene	400	ND<8.38	ND<7.00	ND<9.97	ND<9.41	ND<9.81	ND<10.0	ND<7.91	ND<8.84
cis-1, 2-Dichloroethene	10,000	ND<8.38	ND<7.00	ND<9.97	ND<9.41	ND<9.81	ND<10.0	ND<7.91	ND<8.84
trans-1,2-Dichloroethene	300	ND<8.38	ND<7.00	ND<9.97	ND<9.41	ND<9.81	ND<10.0	ND<7.91	ND<8.84
1,2-Dichloropropane	10,000	ND<8.38	ND<7.00	ND<9.97	ND<9.41	ND<9.81	ND<10.0	ND<7.91	ND<8.84
cis-1,3-Dichloropropene	10,000	ND<8.38	ND<7.00	ND<9.97	ND<9.41	ND<9.81	ND<10.0	ND<7.91	ND<8.84
trans-1,3-Dichloropropene	10,000	ND<8.38	ND<7.00	ND<9.97	ND<9.41	ND<9.81	ND<10.0	ND<7.91	ND<8.84
Methylene chloride	100	ND<21.0	ND<17.5	ND<24.9	ND<23.5	ND<24.5	ND<25.0	ND<19.8	ND<22.1
1,1,2,2-Tetrachloroethane	600	ND<8.38	ND<7.00	ND<9.97	ND<9.41	ND<9.81	ND<10.0	ND<7.91	ND<8.84
Tetrachloroethene	1,400	ND<8.38	ND<7.00	ND<9.97	ND<9.41	ND<9.81	ND<10.0	ND<7.91	ND<8.84
1,1,1-Trichloroethane	800	ND<8.38	ND<7.00	ND<9.97	ND<9.41	ND<9.81	ND<10.0	ND<7.91	ND<8.84
1,1,2-Trichloroethane	6,000	ND<8.38	ND<7.00	ND<9.97	ND<9.41	ND<9.81	ND<10.0	ND<7.91	ND<8.84
Trichloroethene	700	ND<8.38	ND<7.00	ND<9.97	ND<9.41	ND<9.81	ND<10.0	ND<7.91	ND<8.84
Trichlorofluoromethane	10,000	ND<8.38	ND<7.00	ND<9.97	ND<9.41	ND<9.81	ND<10.0	ND<7.91	ND<8.84
Vinyl Chloride	200	ND<8.38	ND<7.00	ND<9.97	ND<9.41	ND<9.81	ND<10.0	ND<7.91	ND<8.84

Notes:

1 - Standards are for soils according to NYSDEC TAGM 4046, *Recommended Soil Cleanup Objectives*;
 All concentrations are in ug/kg (ppb) unless otherwise indicated;
 Boldface type designates those compounds detected at concentrations exceeding NYSDEC standards;
 NE = No standard established.

Table 1 cont'd. **Volatile Organic Compounds (VOCs) in Geoprobe Soil Samples; USEPA Method 8260;** collected **August 14 and 15, 2006;** Parking Lot, 3160 Park Avenue, Bronx, New York; Conrad Geoscience File #PB060261

Constituent	NYSDEC Limit ¹	Sample Identification							
		GB-10 (9-10')	GB-11 (0-5')	GB-12 (5-7')	GB-13 (5-9')	GB-14 (0-2')	GB-15 (6-8')	GB-16 (11-13')	GB-17 (10-12')
Volatile Organic Compounds									
Benzene	60	ND<8.38	ND<7.00	ND<9.97	ND<9.41	ND<9.81	ND<10.0	ND<7.91	ND<8.84
Chlorobenzene	1,700	ND<8.38	ND<7.00	ND<9.97	ND<9.41	ND<9.81	ND<10.0	ND<7.91	ND<8.84
Ethylbenzene	5,500	ND<8.38	ND<7.00	ND<9.97	ND<9.41	ND<9.81	ND<10.0	ND<7.91	ND<8.84
Toluene	1,500	26.8	8.33	ND<9.97	ND<9.41	ND<9.81	ND<10.0	ND<7.91	ND<8.84
m/p-Xylene	1,200	11.8	ND<7.00	ND<9.97	ND<9.41	ND<9.81	ND<10.0	ND<7.91	ND<8.84
o-Xylene	1,200	ND<8.38	ND<7.00	ND<9.97	ND<9.41	ND<9.81	ND<10.0	ND<7.91	ND<8.84
Styrene	10,000	ND<8.38	ND<7.00	ND<9.97	ND<9.41	ND<9.81	ND<10.0	ND<7.91	ND<8.84
1,2-Dichlorobenzene	7,900	ND<8.38	ND<7.00	ND<9.97	ND<9.41	ND<9.81	ND<10.0	ND<7.91	ND<8.84
1,3-Dichlorobenzene	1,600	ND<8.38	ND<7.00	ND<9.97	ND<9.41	ND<9.81	ND<10.0	ND<7.91	ND<8.84
1,4-Dichlorobenzene	8,500	ND<8.38	ND<7.00	ND<9.97	ND<9.41	ND<9.81	ND<10.0	ND<7.91	ND<8.84
Acetone	200	ND<41.9	ND<35.0	ND<49.8	ND<47.0	ND<49.1	ND<50.0	ND<39.6	ND<44.2
2-Butanone	300	ND<21.0	ND<17.5	ND<24.9	ND<23.5	ND<24.5	ND<25.0	ND<19.8	ND<22.1
2-Hexanone	10,000	ND<21.0	ND<17.5	ND<24.9	ND<23.5	ND<24.5	ND<25.0	ND<19.8	ND<22.1
4-Methyl-2-pentanone	1,000	ND<21.0	ND<17.5	ND<24.9	ND<23.5	ND<24.5	ND<25.0	ND<19.8	ND<22.1
Carbon disulfide	2,700	ND<21.0	ND<17.5	ND<24.9	ND<23.5	ND<24.5	ND<25.0	ND<19.8	ND<22.1
Vinyl acetate	10,000	ND<21.0	ND<17.5	ND<24.9	ND<23.5	ND<24.5	ND<25.0	ND<19.8	ND<22.1

Notes:
1 - Standards are for soils according to NYSDEC TAGM 4046, *Recommended Soil Cleanup Objectives*;
All concentrations are in ug/kg (ppb) unless otherwise indicated;
Boldface type designates those compounds detected at concentrations exceeding NYSDEC standards;
NE = No standard established.

Table 2. **Semi-Volatile Organic Compounds (SVOCs) in Geoprobe™ Soil Samples; USEPA Method 8270 (STARS); collected August 14, 2006; Parking Lot, 3160 Park Avenue, Bronx, New York;**
 Conrad Geoscience File #PB060261

Constituent	NYSDEC Limit ¹	Sample Identification									
		GB-1 (12-14')	GB-2 (0-5')	GB-3 (5-10')	GB-4 (12-14')	GB-5 (12-14')	GB-6 (7-10')	GB-7 (12-14')	GB-8 (2-4')	GB-10 (9-10')	
Semi-Volatile Organic Compounds											
Acenaphthene	50,000	ND<354	ND<3,160	962	ND<388	ND<317	ND<338	ND<351	ND<307	ND<3,150	
Acenaphthylene	41,000	ND<354	ND<3,160	ND<315	ND<388	ND<317	ND<338	ND<351	461	ND<3,150	
Anthracene	50,000	ND<354	ND<3,160	1,710	ND<388	ND<317	422	ND<351	737	ND<3,150	
Benzo (a) anthracene	224 or MDL	ND<354	ND<3,160	3,770	ND<388	ND<317	803	ND<351	2,360	ND<3,150	
Benzo (a) pyrene	61.0 or MDL	ND<354	ND<3,160	2,610	ND<388	ND<317	642	ND<351	4,870	ND<3,150	
Benzo (b) fluoranthene	1,100	ND<354	ND<3,160	1,710	ND<388	ND<317	717	ND<351	2,100	ND<3,150	
Benzo (g,h,i) perylene	50,000	ND<354	ND<3,160	1,750	ND<388	ND<317	442	ND<351	1,980	ND<3,150	
Benzo (k) fluoranthene	1,100	ND<354	ND<3,160	517	ND<388	ND<317	718	ND<351	1,460	ND<3,150	
Chrysene	400	ND<354	ND<3,160	4,710	ND<388	ND<317	839	ND<351	2,580	ND<3,150	
Dibenz (a,h) anthracene	14.0 or MDL	ND<354	ND<3,160	790	ND<388	ND<317	ND<338	ND<351	ND<307	ND<3,150	
Fluoranthene	50,000	ND<354	4,310	6,920	ND<388	ND<317	1,980	ND<351	4,650	4,330	
Fluorene	50,000	ND<354	ND<3,160	727	ND<388	ND<317	ND<338	ND<351	ND<307	ND<3,150	
Indeno (1,2,3-cd) pyrene	3,200	ND<354	ND<3,160	1,450	ND<388	ND<317	356	ND<351	1,630	ND<3,150	
Naphthalene	13,000	ND<354	ND<3,160	ND<315	ND<388	ND<317	ND<338	ND<351	ND<307	ND<3,150	
Phenanthrene	50,000	ND<354	ND<3,160	8,480E	ND<388	ND<317	2,160	ND<351	2,080	4,720	
Pyrene	50,000	ND<354	3,670	9,480E	ND<388	ND<317	2,090	ND<351	6,000	4,210	
Total SVOCs	50,000	0	7,980	45,586	0	0	11,169	0	30,908	13,260	

Notes:
 All concentrations are in ug/kg;
 1 - Standards are for soils according to NYSDEC TAGM #4046, Recommended Soil Cleanup Objectives;
 ND = Not detected, detection limit listed;
 MDL = Method Detection Limit;
Boldface type designates those compounds detected at concentrations exceeding NYSDEC TAGM Limit.
 E = Exceeded calibration range of instrument

Table 3.

Priority Pollutant Metals in Geoprobe™ Soil Samples; USEPA Method 6010;
 collected **August 14 and 15, 2006;** Parking Lot, 3160 Park Avenue, Bronx, New York;
 Conrad Geoscience File #PB060261

Chemical Constituent	NYSDEC Limit ¹	GB-1 (12-14')	GB-2 (0-5')	GB-3 (5-10')	GB-4 (12-14')	GB-5 (12-14')	GB-6 (7-10')	GB-7 (12-14')	GB-8 (2-4')
<i>Inorganic Parameters</i>									
Arsenic	7.5 or SB	3.62	5.60	5.20	4.84	4.08	5.54	2.99	4.70
Barium	300 or SB	73.3	99.7	85.0	58.0	98.8	142	91.7	284
Cadmium	1 or SB	ND<0.544	ND<0.531	ND<0.501	ND<0.591	ND<0.540	ND<0.556	ND<0.595	0.473
Chromium	10 or SB	19.6	11.0	16.6	22.0	29.1	23.4	23.0	23.6
Lead	SB (200-500 ppm)	13.8	43.2	25.3	11.0	5.51	254	11.2	159
Mercury	0.1	0.0300	0.0449	0.0961	0.0327	ND<0.021	ND<0.684	0.0363	0.2519
Selenium	2 or SB	ND<0.544	ND<0.531	ND<0.501	ND<0.591	ND<0.540	ND<0.556	ND<0.595	ND<0.465
Silver	SB	ND<1.09	ND<1.06	ND<1.00	ND<1.18	ND<1.08	ND<1.11	ND<1.19	ND<0.930

Notes:

1 - Standards are for soils according to NYSDEC TAGM 4046, *Recommended Soil Cleanup Objectives*;

All concentrations are in mg/kg (ppm) unless otherwise indicated;

Boldface type designates those compounds detected at concentrations exceeding NYSDEC standards;

NE = No standard established.

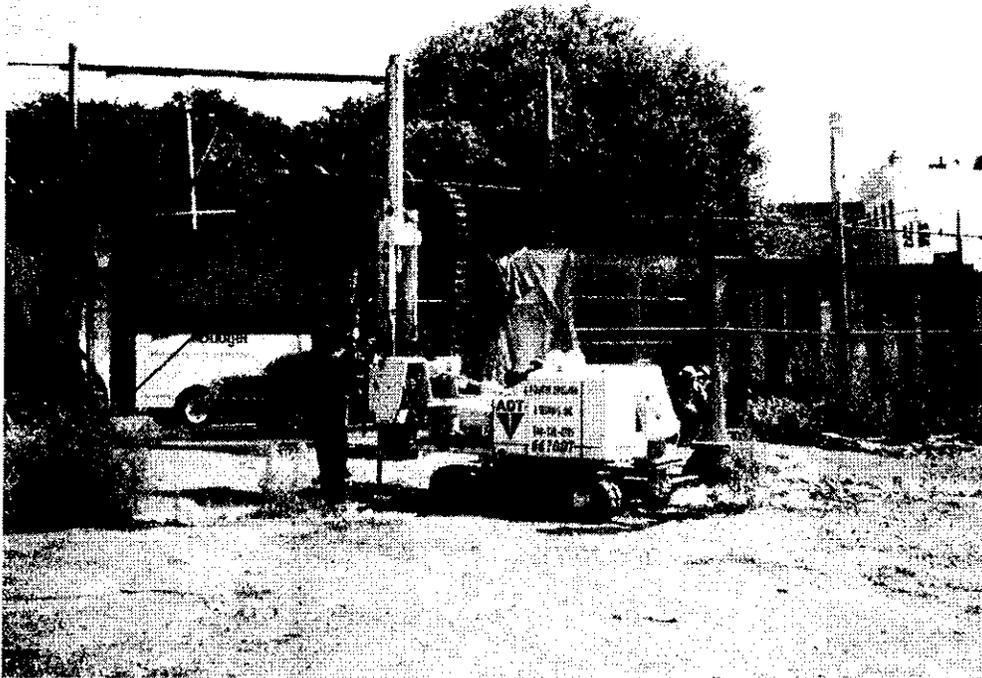
SB = Site Background levels.

Table 3 cont'd. **Priority Pollutant Metals in Geoprobe™ Soil Samples; USEPA Method 6010;**
 collected **August 14 and 15, 2006;** Parking Lot, 3160 Park Avenue, Bronx, New York;
 Conrad Geoscience File #PB060261

Chemical Constituent	NYSDEC Limit ¹	GB-10 (9-10')	GB-11 (0-5')	GB-12 (5-7')	GB-13 (5-9')	GB-14 (0-2')	GB-15 (6-8')	GB-16 (11-13')	GB-17 (10-12')
Inorganic Parameters									
Arsenic	7.5 or SB	4.58	5.89	5.90	4.91	10.7	4.75	3.11	3.73
Barium	300 or SB	261	166	74.7	177	2,690	114	96.4	76.6
Cadmium	1 or SB	ND<0.488	ND<0.509	ND<0.523	ND<0.519	1.44	ND<0.526	ND<0.476	ND<0.539
Chromium	10 or SB	22.3	14.3	23.1	14.3	17.8	69.2	21.9	33.9
Lead	SB (200-500 ppm)	102	132	37.2	143	13,400	39.1	5.88	17.8
Mercury	0.1	0.0624	0.2352	0.1172	0.1664	0.1889	0.0497	ND<0.020	0.0423
Selenium	2 or SB	ND<0.488	ND<0.509	ND<0.523	ND<0.519	ND<0.551	ND<0.526	ND<0.476	ND<0.539
Silver	SB	ND<0.976	ND<1.02	ND<1.05	ND<1.04	ND<1.10	ND<1.05	ND<0.951	ND<1.08

Notes:

1 - Standards are for soils according to NYSDEC TAGM 4046, *Recommended Soil Cleanup Objectives*;
 All concentrations are in mg/kg (ppm) unless otherwise indicated;
Boldface type designates those compounds detected at concentrations exceeding NYSDEC standards;
 NE = No standard established.
 SB = Site Background levels.



View of Geoprobe soil boring activities. 8-14-06.



View of Geoprobe soil boring activities. 8-14-06.



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8 Raymond Avenue, Poughkeepsie, New York 12603

SOIL BORING LOG

BOREHOLE NO.: **GB-1**

TOTAL DEPTH: **20'**

PROJECT INFORMATION

PROJECT #: **PB060261**
 SITE LOCATION: **Parking Lot - Bronx**
 LOGGED BY: **Andria Quinn**
 PROJECT MANAGER: **Chris Brown**
 DATES DRILLED: **8-14-06**

DRILLING INFORMATION

DRILLING CO.: **Aquifer Drilling & Testing**
 RIG TYPE: **Geoprobe 6610**
 METHOD OF DRILLING: **Direct Push**
 SAMPLING METHODS: **5' Macro Core**
 HAMMER WT./DROP: **N/A**
 DEPTH TO WATER: **NE**

NOTES:
80 degrees F

☞ Water level during drilling

DEPTH	SOIL SYMBOLS	SOIL DESCRIPTION	Sample Depth	PID (ppm)
0		Asphalt FILL: Black, brown and red. Asphalt and brick fill material. Some sand and pulverized rock, dry, slight petro odor.		
-5		SM: Brown and grey, dry, coarse-grained sand with trace silt and clay. Schist and other rock fragments. Sand and fines content increases with depth. No odor.		95 ppm
-10		ML: Brown, moist, clay with silty sand, with 2" layer of coarse sand at 13.5'. Sand/silt content increases with depth. No odor.		19.2 ppm
-12.5		SC: Brown, moist, sandy clay with minimal gravel. No odor.		0 ppm
-15		SC: Reddish-brown, moist, clay with sand, gravel, and brick frags. Mild plasticity, gravel and sand content increases with depth. Thin 3" lens of very coarse-grained sand with silt & gravel at 18.5'. No odor.	Sampled 12-14' Interval.	0 ppm
-20		SC: Reddish-brown, moist, medium-grained silty sand with clay and gravel. Slight plasticity. No odor.		



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8 Raymond Avenue, Poughkeepsie, New York 12603

SOIL BORING LOG

BOREHOLE NO.: **GB-2**

TOTAL DEPTH: **20'**

PROJECT INFORMATION

PROJECT #: PB060261
SITE LOCATION: Parking Lot - Bronx
LOGGED BY: Andria Quinn
PROJECT MANAGER: Chris Brown
DATES DRILLED: 8-14-06

DRILLING INFORMATION

DRILLING CO.: Aquifer Drilling & Testing
RIG TYPE: Geoprobe 6610
METHOD OF DRILLING: Direct Push
SAMPLING METHODS: 5' Macro Core
HAMMER WT./DROP: N/A
DEPTH TO WATER: NE

NOTES:
80 degrees F

☒ Water level during drilling

DEPTH	SOIL SYMBOLS	SOIL DESCRIPTION	Sample Depth	PID (ppm)
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0		FILL: Fill material, brick, concrete, pulverized fill, sand content increases with depth. Dry, no odor.	Sampled 0-5' interval.	6.3 ppm	
		SM: Brown, dry, sand with silt and fill material. No odor.			
-5		ML: Brown, moist, fine-grained sandy silt with trace clay and gravel. No odor.			0 ppm
-10		SC: Brown, moist, silty clay with sand, trace gravel, very mild plasticity. No odor.			0 ppm
-15		SM: Brown, moist, medium-grained silty sand with minimal gravel. No odor.			1.5 ppm
		SC: Brown, moist, clayey sand. Mild plasticity, no odor.			
-20		SM: Brown, moist, medium-grained silty sand. Little-no plasticity. No odor.	0 ppm		



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SOIL BORING LOG

BOREHOLE NO.: **GB-3**

TOTAL DEPTH: **20'**

PROJECT INFORMATION

PROJECT #: **PB060261**
 SITE LOCATION: **Parking Lot - Bronx**
 LOGGED BY: **Andria Quinn**
 PROJECT MANAGER: **Chris Brown**
 DATES DRILLED: **8-14-06**

DRILLING INFORMATION

DRILLING CO.: **Aquifer Drilling & Testing**
 RIG TYPE: **Geoprobe 6610**
 METHOD OF DRILLING: **Direct Push**
 SAMPLING METHODS: **5' Macro Core**
 HAMMER WT./DROP: **N/A**
 DEPTH TO WATER: **NE**

NOTES:
80 degrees F

Water level during drilling

DEPTH	SOIL SYMBOLS	SOIL DESCRIPTION	Sample Depth	PID (ppm)
0		FILL: Fill material, brick, concrete, pulverized fill, coal, quartz sand. Dry, slight odor.		160 ppm
-5		SM: Brown and red, dry, fine sand with silt and pulverized fill material, trace gravel, no clay. No odor.	Sampled 5-10' interval, composite sample.	16.8 ppm
-10		SC: Brown, slightly moist, fine-medium grained silty sand with clay. No odor. Grain size increases with depth.		1.5 ppm
-15		SM: Reddish-brown, slightly moist, silty sand, trace clay. No odor.		0 ppm
-20				



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8 Raymond Avenue, Poughkeepsie, New York 12603

SOIL BORING LOG

BOREHOLE NO.: **GB-4**

TOTAL DEPTH: **20'**

PROJECT INFORMATION

PROJECT #: **PB060261**
 SITE LOCATION: **Parking Lot - Bronx**
 LOGGED BY: **Andria Quinn**
 PROJECT MANAGER: **Chris Brown**
 DATES DRILLED: **8-14-06**

DRILLING INFORMATION

DRILLING CO.: **Aquifer Drilling & Testing**
 RIG TYPE: **Geoprobe 6610**
 METHOD OF DRILLING: **Direct Push**
 SAMPLING METHODS: **5' Macro Core**
 HAMMER WT./DROP: **N/A**
 DEPTH TO WATER: **NE**

NOTES:
80 degrees F

☒ Water level during drilling

DEPTH	SOIL SYMBOLS	SOIL DESCRIPTION	Sample Depth	PID (ppm)
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0		<p>ASPHALT: Asphalt overburden.</p> <p>SP: Fill material: medium-coarse grained sand and gravel mix, pulverized brick/asphalt/fill material. Dry, no odor. Sand and silt content increases with depth.</p>		17.5 ppm
-5				42.1 ppm
-10		<p>SC: Brown, moist, silty clay, some sand. Mild plasticity, no odor.</p>	Sampled 12-14' interval.	0 ppm
-15		<p>SM: Brown, coarse sand with silt and trace clay. No odor. No plasticity.</p>		0 ppm
-20				



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8 Raymond Avenue, Poughkeepsie, New York 12603

SOIL BORING LOG

BOREHOLE NO.: **GB-5**

TOTAL DEPTH: **20'**

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT #:	PB060261	DRILLING CO.:	Aquifer Drilling & Testing
SITE LOCATION:	Parking Lot - Bronx	RIG TYPE:	Geoprobe 6610
LOGGED BY:	Andria Quinn	METHOD OF DRILLING:	Direct Push
PROJECT MANAGER:	Chris Brown	SAMPLING METHODS:	5' Macro Core
DATES DRILLED:	8-14-06	HAMMER WT./DROP	N/A
		DEPTH TO WATER	NE
NOTES: 80 degrees F		☞ Water level during drilling	

DEPTH	SOIL SYMBOLS	SOIL DESCRIPTION	Sample Depth	PID (ppm)
0		GP: Fill material: brick and quartz gravel, crushed stone/concrete/brick/asphalt. Minimal sand and clay. Dry, no odor.		
-5		SC: Brown, moist, silty clay, some sand and gravel. Mild plasticity, no odor.		6.5 ppm
-10		SM: Brown, moist, silty sand, no clay, some rock fragments and lenses of coarser sand. No odor. No plasticity.		0 ppm
-15		SC: Brown, moist, silty sand, trace clay. No plasticity, no odor.		0 ppm
-20		SW: Brown and white, moist, coarse sand, clean, stratified, minimal fines. No plasticity, no odor.		0 ppm
			Sampled 12-14' interval.	



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8 Raymond Avenue, Poughkeepsie, New York 12603

SOIL BORING LOG

BOREHOLE NO.: **GB-6**

TOTAL DEPTH: **20'**

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT #:	PB060261	DRILLING CO.:	Aquifer Drilling & Testing
SITE LOCATION:	Parking Lot - Bronx	RIG TYPE:	Geoprobe 6610
LOGGED BY:	Andria Quinn	METHOD OF DRILLING:	Direct Push
PROJECT MANAGER:	Chris Brown	SAMPLING METHODS:	5' Macro Core
DATES DRILLED:	8-14-06	HAMMER WT./DROP	N/A
		DEPTH TO WATER	NE
NOTES: 80 degrees F		☞ Water level during drilling	

DEPTH	SOIL SYMBOLS	SOIL DESCRIPTION	Sample Depth	PID (ppm)
0		ASPHALT: Asphalt overburden.		
-5		SP: Fill material: brick and quartz gravel, pulverized stone/concrete/brick/asphalt. Thick sand lenses. Dry, no odor. Sand and silt content increases with depth.		23 ppm
-7.5		SM: Brown, moist, silt with some sand and clay. Mild plasticity, no odor.	Sampled 7-10' interval.	7.8 ppm
-10		SC: Brown, moist, fine silty sand, trace clay and gravel, thin lens of coarse sand at 14.5'. No odor.		0 ppm
-17.5		SW: Brown and white, moist, coarse sand, clean, stratified, minimal fines. No plasticity, no odor.		0 ppm
-20				



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8 Raymond Avenue, Poughkeepsie, New York 12603

SOIL BORING LOG

BOREHOLE NO.: **GB-7**

TOTAL DEPTH: **20'**

PROJECT INFORMATION

PROJECT #: **PB060261**
 SITE LOCATION: **Parking Lot - Bronx**
 LOGGED BY: **Andria Quinn**
 PROJECT MANAGER: **Chris Brown**
 DATES DRILLED: **8-14-06**

DRILLING INFORMATION

DRILLING CO.: **Aquifer Drilling & Testing**
 RIG TYPE: **Geoprobe 6610**
 METHOD OF DRILLING: **Direct Push**
 SAMPLING METHODS: **5' Macro Core**
 HAMMER WT./DROP: **N/A**
 DEPTH TO WATER: **NE**

NOTES:
80 degrees F

☞ Water level during drilling

DEPTH	SOIL SYMBOLS	SOIL DESCRIPTION	Sample Depth	PID (ppm)
0		ASPHALT: Asphalt overburden.		
		GP: Very little recovery. Fill material: brick and asphalt gravel, crushed stone/concrete/brick/asphalt. Dry, no odor.		0 ppm
-5		ML: Brown, moist, silty clay, trace sand and gravel. Mild plasticity, no odor.		
		SM: Brown, moist, fine sand, trace silt and clay. No odor.		
-10		SC: Brown, moist, fine silty sand, trace clay and gravel. No odor.		
-15		SW: White, moist, coarse sand, clean, minimal fines. No plasticity, no odor.		
-20			Sampled 12-14' interval.	22 ppm



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8 Raymond Avenue, Poughkeepsie, New York 12603

SOIL BORING LOG

BOREHOLE NO.: **GB-8**

TOTAL DEPTH: **17'**

PROJECT INFORMATION

PROJECT #: **PB060261**
 SITE LOCATION: **Parking Lot - Bronx**
 LOGGED BY: **Andria Quinn**
 PROJECT MANAGER: **Chris Brown**
 DATES DRILLED: **8-14-06**

DRILLING INFORMATION

DRILLING CO.: **Aquifer Drilling & Testing**
 RIG TYPE: **Geoprobe 6610**
 METHOD OF DRILLING: **Direct Push**
 SAMPLING METHODS: **5' Macro Core**
 HAMMER WT./DROP: **N/A**
 DEPTH TO WATER: **NE**

NOTES:
80 degrees F

☞ Water level during drilling

DEPTH	SOIL SYMBOLS	SOIL DESCRIPTION	Sample Depth	PID (ppm)	
0		GP: Fill material: brick and asphalt gravel, crushed stone/concrete/brick/asphalt, sand content increases with depth. Dry, no odor.	Sampled 2-4' interval.	21.8 ppm	
-5		SP: Fill material: brick and asphalt gravel, crushed fill, rock and brick fragments with brown, dry sand. Moist at 14'. No odor. Sand content increases with depth.			
-10					0 ppm
-15		SM: Brown, moist, fine-grained silty sand and pulverized rock. No odor.			0 ppm
-15		SW: White, moist, coarse sand, clean, minimal fines. No plasticity, no odor. Refusal at 17'.			



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8 Raymond Avenue, Poughkeepsie, New York 12603

SOIL BORING LOG

BOREHOLE NO.: **GB-9**

TOTAL DEPTH: **11'**

PROJECT INFORMATION

PROJECT #: **PB060261**
 SITE LOCATION: **Parking Lot - Bronx**
 LOGGED BY: **Andria Quinn**
 PROJECT MANAGER: **Chris Brown**
 DATES DRILLED: **8-14-06**

DRILLING INFORMATION

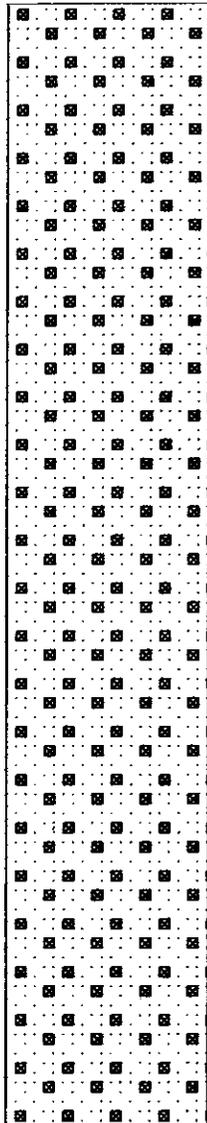
DRILLING CO.: **Aquifer Drilling & Testing**
 RIG TYPE: **Geoprobe 6610**
 METHOD OF DRILLING: **Direct Push**
 SAMPLING METHODS: **5' Macro Core**
 HAMMER WT./DROP: **N/A**
 DEPTH TO WATER: **NE**

NOTES:
80 degrees F

☞ Water level during drilling

DEPTH	SOIL SYMBOLS	SOIL DESCRIPTION	Sample Depth	PID (ppm)
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0



GP: Fill material: brick, asphalt, gravel, crushed stone/concrete/brick/asphalt, very poor recovery. Dry, no odor. Dense black tar-like material at 10-11'.

No sample collected. Poor recovery and refusal, several attempts.

-5

-10



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8 Raymond Avenue, Poughkeepsie, New York 12603

SOIL BORING LOG

BOREHOLE NO.: **GB-10**

TOTAL DEPTH: **12'**

PROJECT INFORMATION

PROJECT #: **PB060261**
 SITE LOCATION: **Parking Lot - Bronx**
 LOGGED BY: **Andria Quinn**
 PROJECT MANAGER: **Chris Brown**
 DATES DRILLED: **8-14-06**

DRILLING INFORMATION

DRILLING CO.: **Aquifer Drilling & Testing**
 RIG TYPE: **Geoprobe 6610**
 METHOD OF DRILLING: **Direct Push**
 SAMPLING METHODS: **5' Macro Core**
 HAMMER WT./DROP: **N/A**
 DEPTH TO WATER: **NE**

NOTES:
80 degrees F

☞ Water level during drilling

DEPTH	SOIL SYMBOLS	SOIL DESCRIPTION	Sample Depth	PID (ppm)
0		GP: Fill material: brick and asphalt gravel, crushed stone/concrete/brick/asphalt, some wood fragments, sand content increases with depth. Dry, no odor.		0 ppm
-5		SP: Brown, dry, poorly sorted sand, some silt and gravel. No odor.		
-10		SM: Dark brown, moist, fine-grained silty sand. No odor. Refusal at 12.	Sampled 9-10' interval.	0 ppm



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8 Raymond Avenue, Poughkeepsie, New York 12603

SOIL BORING LOG

BOREHOLE NO.: **GB-11**

TOTAL DEPTH: **15'**

PROJECT INFORMATION

PROJECT #: **PB060261**
 SITE LOCATION: **Parking Lot - Bronx**
 LOGGED BY: **Andria Quinn**
 PROJECT MANAGER: **Chris Brown**
 DATES DRILLED: **8-14-06**

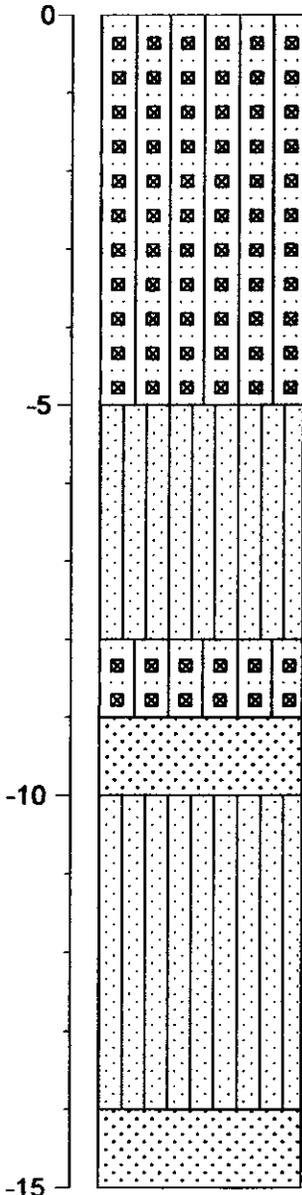
DRILLING INFORMATION

DRILLING CO.: **Aquifer Drilling & Testing**
 RIG TYPE: **Geoprobe 6610**
 METHOD OF DRILLING: **Direct Push**
 SAMPLING METHODS: **5' Macro Core**
 HAMMER WT./DROP: **N/A**
 DEPTH TO WATER: **NE**

NOTES:
80 degrees F

☒ Water level during drilling

DEPTH	SOIL SYMBOLS	SOIL DESCRIPTION	Sample Depth	PID (ppm)
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GM: Fill material: brick and asphalt gravel, crushed stone/concrete/brick/asphalt, some wood fragments, sand and silt content increases with depth. Dry, no odor.

SM: Brown, moist, fine-grained silty sand, minimal gravel. No odor.

GM: Brown-black, moist, coarse-grained gravelly sand with silt. No odor.

SW: White, moist, coarse sand, clean, minimal fines. No plasticity, no odor.

SM: Brown, moist, silty sand, minimal gravel. No odor.

SW: White, moist, coarse sand, clean, minimal fines. No plasticity, no odor. Refusal at 15'.

Sampled 0-5' interval.

14.6 ppm

2.2 ppm



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8 Raymond Avenue, Poughkeepsie, New York 12603

SOIL BORING LOG

BOREHOLE NO.: **GB-12**

TOTAL DEPTH: **9'**

PROJECT INFORMATION

DRILLING INFORMATION

PROJECT #: **PB060261**
 SITE LOCATION: **Parking Lot - Bronx**
 LOGGED BY: **Andria Quinn**
 PROJECT MANAGER: **Chris Brown**
 DATES DRILLED: **8-15-06**

DRILLING CO.: **Aquifer Drilling & Testing**
 RIG TYPE: **Geoprobe 6610**
 METHOD OF DRILLING: **Direct Push**
 SAMPLING METHODS: **5' Macro Core**
 HAMMER WT./DROP: **N/A**
 DEPTH TO WATER: **NE**

NOTES:
80 degrees F

☒ Water level during drilling

DEPTH	SOIL SYMBOLS	SOIL DESCRIPTION	Sample Depth	PID (ppm)
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0

GM: Fill material: brick and asphalt gravel, crushed stone/concrete/brick/asphalt, some wood fragments, sand and silt content increases with depth. Dry, no odor. High PID readings possibly due to moisture on probe.

-5

506 ppm

Sampled 5-7' interval.

908 ppm

SM: Brown, moist, silty sand with gravel, trace clay. No odor. Refusal at 9'. High PID readings possibly due to moisture on probe.

364 ppm



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8 Raymond Avenue, Poughkeepsie, New York 12603

SOIL BORING LOG

BOREHOLE NO.: **GB-13**

TOTAL DEPTH: **9'**

PROJECT INFORMATION

PROJECT #: **PB060261**
 SITE LOCATION: **Parking Lot - Bronx**
 LOGGED BY: **Andria Quinn**
 PROJECT MANAGER: **Chris Brown**
 DATES DRILLED: **8-15-06**

DRILLING INFORMATION

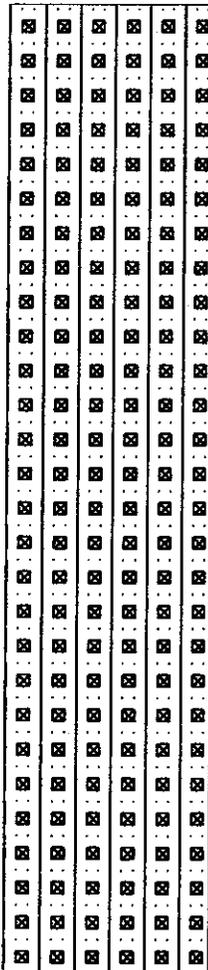
DRILLING CO.: **Aquifer Drilling & Testing**
 RIG TYPE: **Geoprobe 6610**
 METHOD OF DRILLING: **Direct Push**
 SAMPLING METHODS: **5' Macro Core**
 HAMMER WT./DROP: **N/A**
 DEPTH TO WATER: **NE**

NOTES:
80 degrees F

☒ Water level during drilling

DEPTH	SOIL SYMBOLS	SOIL DESCRIPTION	Sample Depth	PID (ppm)
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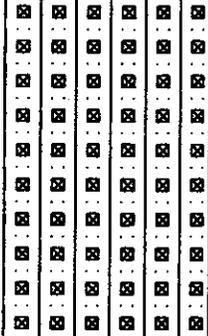
0



GM: Fill material: brick and asphalt gravel, crushed stone/concrete/brick/asphalt, some wood fragments, sand and silt content increases with depth. Dry, no odor. High PID readings possibly due to moisture on probe.

298 ppm

-5



SM: Brown, moist, silty sand with gravel and fill material, trace clay. No odor. Refusal at 9'.

Sampled 5-9' interval.

219 ppm



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8 Raymond Avenue, Poughkeepsie, New York 12603

SOIL BORING LOG

BOREHOLE NO.: **GB-15**

TOTAL DEPTH: **10'**

PROJECT INFORMATION

PROJECT #: **PB060261**
 SITE LOCATION: **Parking Lot - Bronx**
 LOGGED BY: **Andria Quinn**
 PROJECT MANAGER: **Chris Brown**
 DATES DRILLED: **8-15-06**

DRILLING INFORMATION

DRILLING CO.: **Aquifer Drilling & Testing**
 RIG TYPE: **Geoprobe 6610**
 METHOD OF DRILLING: **Direct Push**
 SAMPLING METHODS: **5' Macro Core**
 HAMMER WT./DROP: **N/A**
 DEPTH TO WATER: **NE**

NOTES:
80 degrees F

☒ Water level during drilling

DEPTH	SOIL SYMBOLS	SOIL DESCRIPTION	Sample Depth	PID (ppm)
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0		GM: Fill material: brick and concrete gravel, crushed stone/concrete/brick, sand and silt matrix. Dry, no odor.		
-5		SM: Brown, moist, silty sand with gravel and fill material, trace clay. No odor.	Sampled 6-8' interval.	184 ppm
-10		SW: White, moist, coarse sand, clean, minimal fines. No plasticity, no odor. Refusal at 10'.		77.5 ppm



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8 Raymond Avenue, Poughkeepsie, New York 12603

SOIL BORING LOG

BOREHOLE NO.: **GB-16**

TOTAL DEPTH: **14'**

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT #:	PB060261	DRILLING CO.:	Aquifer Drilling & Testing
SITE LOCATION:	Parking Lot - Bronx	RIG TYPE:	Geoprobe 6610
LOGGED BY:	Andria Quinn	METHOD OF DRILLING:	Direct Push
PROJECT MANAGER:	Chris Brown	SAMPLING METHODS:	5' Macro Core
DATES DRILLED:	8-15-06	HAMMER WT./DROP	N/A
		DEPTH TO WATER	NE
NOTES: 80 degrees F		☒ Water level during drilling	

DEPTH	SOIL SYMBOLS	SOIL DESCRIPTION	Sample Depth	PID (ppm)
0		GM: Fill material: brick and concrete gravel, crushed stone/concrete/brick, sand and silt matrix. Dry, no odor.		21.2 ppm
-5		SM: Brown, moist, sand, silty sand with gravel, trace clay. No odor.		
-10		SW: White, moist, coarse sand, clean, minimal fines. No plasticity, no odor. Refusal at 14'.	Sampled 11-13' interval.	0 ppm



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8 Raymond Avenue, Poughkeepsie, New York 12603

SOIL BORING LOG

BOREHOLE NO.: **GB-17**

TOTAL DEPTH: **12'**

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT #:	PB060261	DRILLING CO.:	Aquifer Drilling & Testing
SITE LOCATION:	Parking Lot - Bronx	RIG TYPE:	Geoprobe 6610
LOGGED BY:	Andria Quinn	METHOD OF DRILLING:	Direct Push
PROJECT MANAGER:	Chris Brown	SAMPLING METHODS:	5' Macro Core
DATES DRILLED:	8-15-06	HAMMER WT./DROP	N/A
		DEPTH TO WATER	NE
NOTES: 80 degrees F		☞ Water level during drilling	

DEPTH	SOIL SYMBOLS	SOIL DESCRIPTION	Sample Depth	PID (ppm)
0		GM: Fill material: brick and concrete gravel, crushed stone/concrete/brick, sand and silt matrix. Dry, no odor.		0 ppm
-5		SM: Brown, moist, silty sand with some gravel and rock fragments, some clay. No odor. 1" of pulverized rock at 6'.		
		ML: Brown, moist silty sand with clay, trace gravel. No odor.		4.5 ppm
-10		SM: Brown, moist, silty sand with some gravel and rock fragments, minimal clay. Gravel content increases at 11'. No odor. Coarse sand and refusal at 12'.	Sampled 10-12' interval.	4.9 ppm



ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: Parking Lot Bronx

Lab Project Number: 06-2453

Lab Sample Number: 8143

Client Job Number: PB060261

Field Location: GB-1 12-14

Date Sampled: 08/14/2006

Field ID Number: N/A

Date Received: 08/16/2006

Sample Type: Soil

Date Analyzed: 08/21/2006

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 9.07
Bromomethane	ND< 9.07
Bromoform	ND< 9.07
Carbon Tetrachloride	ND< 9.07
Chloroethane	ND< 9.07
Chloromethane	ND< 9.07
2-Chloroethyl vinyl Ether	ND< 9.07
Chloroform	ND< 9.07
Dibromochloromethane	ND< 9.07
1,1-Dichloroethane	ND< 9.07
1,2-Dichloroethane	ND< 9.07
1,1-Dichloroethene	ND< 9.07
cis-1,2-Dichloroethene	ND< 9.07
trans-1,2-Dichloroethene	ND< 9.07
1,2-Dichloropropane	ND< 9.07
cis-1,3-Dichloropropene	ND< 9.07
trans-1,3-Dichloropropene	ND< 9.07
Methylene chloride	ND< 22.7
1,1,2,2-Tetrachloroethane	ND< 9.07
Tetrachloroethene	ND< 9.07
1,1,1-Trichloroethane	ND< 9.07
1,1,2-Trichloroethane	ND< 9.07
Trichloroethene	ND< 9.07
Trichlorofluoromethane	ND< 9.07
Vinyl chloride	ND< 9.07

ELAP Number 10958

Method: EPA 8260B

Data File: V36475.D

Aromatics	Results in ug / Kg
Benzene	ND< 9.07
Chlorobenzene	ND< 9.07
Ethylbenzene	ND< 9.07
Toluene	ND< 9.07
m,p-Xylene	ND< 9.07
o-Xylene	ND< 9.07
Styrene	ND< 9.07
1,2-Dichlorobenzene	ND< 9.07
1,3-Dichlorobenzene	ND< 9.07
1,4-Dichlorobenzene	ND< 9.07

Ketones	Results in ug / Kg
Acetone	ND< 45.3
2-Butanone	ND< 22.7
2-Hexanone	ND< 22.7
4-Methyl-2-pentanone	ND< 22.7

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 22.7
Vinyl acetate	ND< 22.7

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director



ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: Parking Lot Bronx

Lab Project Number: 06-2453

Lab Sample Number: 8144

Client Job Number: PB060261

Field Location: GB-2 0-5

Date Sampled: 08/14/2006

Field ID Number: N/A

Date Received: 08/16/2006

Sample Type: Soil

Date Analyzed: 08/21/2006

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 10.0
Bromomethane	ND< 10.0
Bromoform	ND< 10.0
Carbon Tetrachloride	ND< 10.0
Chloroethane	ND< 10.0
Chloromethane	ND< 10.0
2-Chloroethyl vinyl Ether	ND< 10.0
Chloroform	ND< 10.0
Dibromochloromethane	ND< 10.0
1,1-Dichloroethane	ND< 10.0
1,2-Dichloroethane	ND< 10.0
1,1-Dichloroethene	ND< 10.0
cis-1,2-Dichloroethene	ND< 10.0
trans-1,2-Dichloroethene	ND< 10.0
1,2-Dichloropropane	ND< 10.0
cis-1,3-Dichloropropene	ND< 10.0
trans-1,3-Dichloropropene	ND< 10.0
Methylene chloride	ND< 25.0
1,1,2,2-Tetrachloroethane	ND< 10.0
Tetrachloroethene	ND< 10.0
1,1,1-Trichloroethane	ND< 10.0
1,1,2-Trichloroethane	ND< 10.0
Trichloroethene	ND< 10.0
Trichlorofluoromethane	ND< 10.0
Vinyl chloride	ND< 10.0

Aromatics	Results in ug / Kg
Benzene	ND< 10.0
Chlorobenzene	ND< 10.0
Ethylbenzene	ND< 10.0
Toluene	13.6
m,p-Xylene	ND< 10.0
o-Xylene	ND< 10.0
Styrene	ND< 10.0
1,2-Dichlorobenzene	ND< 10.0
1,3-Dichlorobenzene	ND< 10.0
1,4-Dichlorobenzene	ND< 10.0

Ketones	Results in ug / Kg
Acetone	ND< 50.1
2-Butanone	ND< 25.0
2-Hexanone	ND< 25.0
4-Methyl-2-pentanone	ND< 25.0

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 25.0
Vinyl acetate	ND< 25.0

ELAP Number 10958

Method: EPA 8260B

Data File: V38476.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Surrogate outliers indicate probable matrix interference

Signature: _____

Bruce Hoogesteger: Technical Director



ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: Parking Lot Bronx

Lab Project Number: 06-2453

Lab Sample Number: 8145

Client Job Number: PB060261

Field Location: GB-3 5-10

Date Sampled: 08/14/2006

Field ID Number: N/A

Date Received: 08/16/2006

Sample Type: Soil

Date Analyzed: 08/21/2006

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 7.63
Bromomethane	ND< 7.63
Bromoform	ND< 7.63
Carbon Tetrachloride	ND< 7.63
Chloroethane	ND< 7.63
Chloromethane	ND< 7.63
2-Chloroethyl vinyl Ether	ND< 7.63
Chloroform	ND< 7.63
Dibromochloromethane	ND< 7.63
1,1-Dichloroethane	ND< 7.63
1,2-Dichloroethane	ND< 7.63
1,1-Dichloroethene	ND< 7.63
cis-1,2-Dichloroethene	ND< 7.63
trans-1,2-Dichloroethene	ND< 7.63
1,2-Dichloropropane	ND< 7.63
cis-1,3-Dichloropropene	ND< 7.63
trans-1,3-Dichloropropene	ND< 7.63
Methylene chloride	ND< 19.1
1,1,2,2-Tetrachloroethane	ND< 7.63
Tetrachloroethene	ND< 7.63
1,1,1-Trichloroethane	ND< 7.63
1,1,2-Trichloroethane	ND< 7.63
Trichloroethene	ND< 7.63
Trichlorofluoromethane	ND< 7.63
Vinyl chloride	ND< 7.63

ELAP Number 10958

Method: EPA 8260B

Data File: V38477.D

Aromatics	Results in ug / Kg
Benzene	ND< 7.63
Chlorobenzene	ND< 7.63
Ethylbenzene	ND< 7.63
Toluene	ND< 7.63
m,p-Xylene	ND< 7.63
o-Xylene	ND< 7.63
Styrene	ND< 7.63
1,2-Dichlorobenzene	ND< 7.63
1,3-Dichlorobenzene	ND< 7.63
1,4-Dichlorobenzene	ND< 7.63

Ketones	Results in ug / Kg
Acetone	ND< 38.1
2-Butanone	ND< 19.1
2-Hexanone	ND< 19.1
4-Methyl-2-pentanone	ND< 19.1

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 19.1
Vinyl acetate	ND< 19.1

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director



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Volatile Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: Parking Lot Bronx

Lab Project Number: 06-2453

Lab Sample Number: 8148

Client Job Number: PB060261

Field Location: GB-4 12-14

Date Sampled: 08/14/2006

Field ID Number: N/A

Date Received: 08/16/2006

Sample Type: Soil

Date Analyzed: 08/21/2006

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 9.57
Bromomethane	ND< 9.57
Bromoform	ND< 9.57
Carbon Tetrachloride	ND< 9.57
Chloroethane	ND< 9.57
Chloromethane	ND< 9.57
2-Chloroethyl vinyl Ether	ND< 9.57
Chloroform	ND< 9.57
Dibromochloromethane	ND< 9.57
1,1-Dichloroethane	ND< 9.57
1,2-Dichloroethane	ND< 9.57
1,1-Dichloroethene	ND< 9.57
cis-1,2-Dichloroethene	ND< 9.57
trans-1,2-Dichloroethene	ND< 9.57
1,2-Dichloropropane	ND< 9.57
cis-1,3-Dichloropropene	ND< 9.57
trans-1,3-Dichloropropene	ND< 9.57
Methylene chloride	ND< 23.9
1,1,2,2-Tetrachloroethane	ND< 9.57
Tetrachloroethene	ND< 9.57
1,1,1-Trichloroethane	ND< 9.57
1,1,2-Trichloroethane	ND< 9.57
Trichloroethene	ND< 9.57
Trichlorofluoromethane	ND< 9.57
Vinyl chloride	ND< 9.57

Aromatics	Results in ug / Kg
Benzene	ND< 9.57
Chlorobenzene	ND< 9.57
Ethylbenzene	ND< 9.57
Toluene	ND< 9.57
m,p-Xylene	ND< 9.57
o-Xylene	ND< 9.57
Styrene	ND< 9.57
1,2-Dichlorobenzene	ND< 9.57
1,3-Dichlorobenzene	ND< 9.57
1,4-Dichlorobenzene	ND< 9.57

Ketones	Results in ug / Kg
Acetone	ND< 47.8
2-Butanone	ND< 23.9
2-Hexanone	ND< 23.9
4-Methyl-2-pentanone	ND< 23.9

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 23.9
Vinyl acetate	ND< 23.9

ELAP Number 10958

Method: EPA 8260B

Data File: V38478.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director



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Volatile Analysis Report for Soils/Solids/Sludges

Client: **Conrad Geoscience**

Client Job Site: Parking Lot Bronx

Lab Project Number: 06-2453

Lab Sample Number: 8147

Client Job Number: PB060261

Field Location: GB-5 12-14

Date Sampled: 08/14/2006

Date Received: 08/16/2006

Field ID Number: N/A

Date Analyzed: 08/21/2006

Sample Type: Soil

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 7.34
Bromomethane	ND< 7.34
Bromoform	ND< 7.34
Carbon Tetrachloride	ND< 7.34
Chloroethane	ND< 7.34
Chloromethane	ND< 7.34
2-Chloroethyl vinyl Ether	ND< 7.34
Chloroform	ND< 7.34
Dibromochloromethane	ND< 7.34
1,1-Dichloroethane	ND< 7.34
1,2-Dichloroethane	ND< 7.34
1,1-Dichloroethene	ND< 7.34
cis-1,2-Dichloroethene	ND< 7.34
trans-1,2-Dichloroethene	ND< 7.34
1,2-Dichloropropane	ND< 7.34
cis-1,3-Dichloropropene	ND< 7.34
trans-1,3-Dichloropropene	ND< 7.34
Methylene chloride	ND< 18.4
1,1,2,2-Tetrachloroethane	ND< 7.34
Tetrachloroethene	ND< 7.34
1,1,1-Trichloroethane	ND< 7.34
1,1,2-Trichloroethane	ND< 7.34
Trichloroethene	ND< 7.34
Trichlorofluoromethane	ND< 7.34
Vinyl chloride	ND< 7.34

ELAP Number 10958

Method: EPA 8260B

Data File: V38479.D

Aromatics	Results in ug / Kg
Benzene	ND< 7.34
Chlorobenzene	ND< 7.34
Ethylbenzene	ND< 7.34
Toluene	ND< 7.34
m,p-Xylene	ND< 7.34
o-Xylene	ND< 7.34
Styrene	ND< 7.34
1,2-Dichlorobenzene	ND< 7.34
1,3-Dichlorobenzene	ND< 7.34
1,4-Dichlorobenzene	ND< 7.34

Ketones	Results in ug / Kg
Acetone	ND< 36.7
2-Butanone	ND< 18.4
2-Hexanone	ND< 18.4
4-Methyl-2-pentanone	ND< 18.4

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 18.4
Vinyl acetate	ND< 18.4

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director



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Volatile Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: Parking Lot Bronx

Lab Project Number: 06-2453

Lab Sample Number: 8148

Client Job Number: PB060261

Field Location: GB-6 7-10

Date Sampled: 08/14/2006

Field ID Number: N/A

Date Received: 08/16/2006

Sample Type: Soil

Date Analyzed: 08/21/2006

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 9.49
Bromomethane	ND< 9.49
Bromoform	ND< 9.49
Carbon Tetrachloride	ND< 9.49
Chloroethane	ND< 9.49
Chloromethane	ND< 9.49
2-Chloroethyl vinyl Ether	ND< 9.49
Chloroform	ND< 9.49
Dibromochloromethane	ND< 9.49
1,1-Dichloroethane	ND< 9.49
1,2-Dichloroethane	ND< 9.49
1,1-Dichloroethene	ND< 9.49
cis-1,2-Dichloroethene	ND< 9.49
trans-1,2-Dichloroethene	ND< 9.49
1,2-Dichloropropane	ND< 9.49
cis-1,3-Dichloropropene	ND< 9.49
trans-1,3-Dichloropropene	ND< 9.49
Methylene chloride	ND< 23.7
1,1,2,2-Tetrachloroethane	ND< 9.49
Tetrachloroethene	ND< 9.49
1,1,1-Trichloroethane	ND< 9.49
1,1,2-Trichloroethane	ND< 9.49
Trichloroethene	ND< 9.49
Trichlorofluoromethane	ND< 9.49
Vinyl chloride	ND< 9.49

ELAP Number 10958

Method: EPA 8260B

Aromatics	Results in ug / Kg
Benzene	ND< 9.49
Chlorobenzene	ND< 9.49
Ethylbenzene	ND< 9.49
Toluene	25.6
m,p-Xylene	13.3
o-Xylene	ND< 9.49
Styrene	ND< 9.49
1,2-Dichlorobenzene	ND< 9.49
1,3-Dichlorobenzene	ND< 9.49
1,4-Dichlorobenzene	ND< 9.49

Ketones	Results in ug / Kg
Acetone	ND< 47.4
2-Butanone	ND< 23.7
2-Hexanone	ND< 23.7
4-Methyl-2-pentanone	ND< 23.7

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 23.7
Vinyl acetate	ND< 23.7

Data File: V3B480.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Surrogate outliers indicate probable matrix interference

Signature: _____

Bruce Hoogestegge, Technical Director



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Volatile Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: Parking Lot Bronx

Lab Project Number: 06-2453

Lab Sample Number: 8149

Client Job Number: PB060261

Field Location: GB-7 12-14

Date Sampled: 08/14/2006

Field ID Number: N/A

Date Received: 08/16/2006

Sample Type: Soil

Date Analyzed: 08/21/2006

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 6.91
Bromomethane	ND< 6.91
Bromoform	ND< 6.91
Carbon Tetrachloride	ND< 6.91
Chloroethane	ND< 6.91
Chloromethane	ND< 6.91
2-Chloroethyl vinyl Ether	ND< 6.91
Chloroform	ND< 6.91
Dibromochloromethane	ND< 6.91
1,1-Dichloroethane	ND< 6.91
1,2-Dichloroethane	ND< 6.91
1,1-Dichloroethene	ND< 6.91
cis-1,2-Dichloroethene	ND< 6.91
trans-1,2-Dichloroethene	ND< 6.91
1,2-Dichloropropane	ND< 6.91
cis-1,3-Dichloropropene	ND< 6.91
trans-1,3-Dichloropropene	ND< 6.91
Methylene chloride	ND< 17.3
1,1,2,2-Tetrachloroethane	ND< 6.91
Tetrachloroethene	ND< 6.91
1,1,1-Trichloroethane	ND< 6.91
1,1,2-Trichloroethane	ND< 6.91
Trichloroethene	ND< 6.91
Trichlorofluoromethane	ND< 6.91
Vinyl chloride	ND< 6.91

ELAP Number 10958

Method: EPA 8260B

Date File: V38481.D

Aromatics	Results in ug / Kg
Benzene	ND< 6.91
Chlorobenzene	ND< 6.91
Ethylbenzene	ND< 6.91
Toluene	ND< 6.91
m,p-Xylene	ND< 6.91
o-Xylene	ND< 6.91
Styrene	ND< 6.91
1,2-Dichlorobenzene	ND< 6.91
1,3-Dichlorobenzene	ND< 6.91
1,4-Dichlorobenzene	ND< 6.91

Ketones	Results in ug / Kg
Acetone	ND< 34.5
2-Butanone	ND< 17.3
2-Hexanone	ND< 17.3
4-Methyl-2-pentanone	ND< 17.3

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 17.3
Vinyl acetate	ND< 17.3

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director



ENVIRONMENTAL SERVICES, INC.

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Volatile Analysis Report for Soils/Solids/Sludges

Client: **Conrad Geoscience**

Client Job Site: Parking Lot Bronx

Lab Project Number: 06-2453

Lab Sample Number: 8150

Client Job Number: PB060261

Field Location: GB-8 2-4

Date Sampled: 08/14/2006

Date Received: 08/16/2006

Field ID Number: N/A

Sample Type: Soil

Date Analyzed: 08/22/2006

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 9.72
Bromomethane	ND< 9.72
Bromoform	ND< 9.72
Carbon Tetrachloride	ND< 9.72
Chloroethane	ND< 9.72
Chloromethane	ND< 9.72
2-Chloroethyl vinyl Ether	ND< 9.72
Chloroform	ND< 9.72
Dibromochloromethane	ND< 9.72
1,1-Dichloroethane	ND< 9.72
1,2-Dichloroethane	ND< 9.72
1,1-Dichloroethene	ND< 9.72
cis-1,2-Dichloroethene	ND< 9.72
trans-1,2-Dichloroethene	ND< 9.72
1,2-Dichloropropane	ND< 9.72
cis-1,3-Dichloropropene	ND< 9.72
trans-1,3-Dichloropropene	ND< 9.72
Methylene chloride	ND< 24.3
1,1,2,2-Tetrachloroethane	ND< 9.72
Tetrachloroethene	ND< 9.72
1,1,1-Trichloroethane	ND< 9.72
1,1,2-Trichloroethane	ND< 9.72
Trichloroethene	ND< 9.72
Trichlorofluoromethane	ND< 9.72
Vinyl chloride	ND< 9.72

ELAP Number 10958

Method: EPA 8260B

Data File: V38482.D

Aromatics	Results in ug / Kg
Benzene	ND< 9.72
Chlorobenzene	ND< 9.72
Ethylbenzene	ND< 9.72
Toluene	26.4
m,p-Xylene	10.7
o-Xylene	ND< 9.72
Styrene	ND< 9.72
1,2-Dichlorobenzene	ND< 9.72
1,3-Dichlorobenzene	ND< 9.72
1,4-Dichlorobenzene	ND< 9.72

Ketones	Results in ug / Kg
Acetone	ND< 48.6
2-Butanone	ND< 24.3
2-Hexanone	ND< 24.3
4-Methyl-2-pentanone	ND< 24.3

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 24.3
Vinyl acetate	ND< 24.3

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Surrogate outliers indicate probable matrix interference

Signature: _____

Bruce Hoogesteger, Technical Director



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Volatile Analysis Report for Soils/Solids/Sludges

Client: **Conrad Geoscience**

Client Job Site: Parking Lot Bronx

Lab Project Number: 06-2453

Lab Sample Number: 8151

Client Job Number: PB060261

Field Location: GB-10 9-10'

Date Sampled: 08/14/2006

Field ID Number: N/A

Date Received: 08/16/2006

Sample Type: Soil

Date Analyzed: 08/22/2006

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 8.38
Bromomethane	ND< 8.38
Bromoform	ND< 8.38
Carbon Tetrachloride	ND< 8.38
Chloroethane	ND< 8.38
Chloromethane	ND< 8.38
2-Chloroethyl vinyl Ether	ND< 8.38
Chloroform	ND< 8.38
Dibromochloromethane	ND< 8.38
1,1-Dichloroethane	ND< 8.38
1,2-Dichloroethane	ND< 8.38
1,1-Dichloroethene	ND< 8.38
cis-1,2-Dichloroethene	ND< 8.38
trans-1,2-Dichloroethene	ND< 8.38
1,2-Dichloropropane	ND< 8.38
cis-1,3-Dichloropropene	ND< 8.38
trans-1,3-Dichloropropene	ND< 8.38
Methylene chloride	ND< 21.0
1,1,2,2-Tetrachloroethane	ND< 8.38
Tetrachloroethene	ND< 8.38
1,1,1-Trichloroethane	ND< 8.38
1,1,2-Trichloroethane	ND< 8.38
Trichloroethene	ND< 8.38
Trichlorofluoromethane	ND< 8.38
Vinyl chloride	ND< 8.38

Aromatics	Results in ug / Kg
Benzene	ND< 8.38
Chlorobenzene	ND< 8.38
Ethylbenzene	ND< 8.38
Toluene	26.0
m,p-Xylene	11.6
o-Xylene	ND< 8.38
Styrene	ND< 8.38
1,2-Dichlorobenzene	ND< 8.38
1,3-Dichlorobenzene	ND< 8.38
1,4-Dichlorobenzene	ND< 8.38

Ketones	Results in ug / Kg
Acetone	ND< 41.9
2-Butanone	ND< 21.0
2-Hexanone	ND< 21.0
4-Methyl-2-pentanone	ND< 21.0

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 21.0
Vinyl acetate	ND< 21.0

ELAP Number 10958

Method: EPA 8260B

Data File: V38483.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Surrogate outliers indicate probable matrix interference

Signature: _____

Bruce Hoogesteger, Technical Director



ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: Parking Lot Bronx

Lab Project Number: 06-2453

Lab Sample Number: 8152

Client Job Number: PBD80261

Field Location: GB-11 0-5

Date Sampled: 08/14/2006

Date Received: 08/16/2006

Field ID Number: N/A

Sample Type: Soil

Date Analyzed: 08/22/2006

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 7.00
Bromomethane	ND< 7.00
Bromoform	ND< 7.00
Carbon Tetrachloride	ND< 7.00
Chloroethane	ND< 7.00
Chloromethane	ND< 7.00
2-Chloroethyl vinyl Ether	ND< 7.00
Chloroform	ND< 7.00
Dibromochloromethane	ND< 7.00
1,1-Dichloroethane	ND< 7.00
1,2-Dichloroethane	ND< 7.00
1,1-Dichloroethene	ND< 7.00
cis-1,2-Dichloroethene	ND< 7.00
trans-1,2-Dichloroethene	ND< 7.00
1,2-Dichloropropane	ND< 7.00
cis-1,3-Dichloropropene	ND< 7.00
trans-1,3-Dichloropropene	ND< 7.00
Methylene chloride	ND< 17.5
1,1,2,2-Tetrachloroethane	ND< 7.00
Tetrachloroethene	ND< 7.00
1,1,1-Trichloroethane	ND< 7.00
1,1,2-Trichloroethane	ND< 7.00
Trichloroethene	ND< 7.00
Trichlorofluoromethane	ND< 7.00
Vinyl chloride	ND< 7.00

ELAP Number 10958

Method: EPA 8260B

Data File: V38484.D

Aromatics	Results in ug / Kg
Benzene	ND< 7.00
Chlorobenzene	ND< 7.00
Ethylbenzene	ND< 7.00
Toluene	8.33
m,p-Xylene	ND< 7.00
o-Xylene	ND< 7.00
Styrene	ND< 7.00
1,2-Dichlorobenzene	ND< 7.00
1,3-Dichlorobenzene	ND< 7.00
1,4-Dichlorobenzene	ND< 7.00

Ketones	Results in ug / Kg
Acetone	ND< 35.0
2-Butanone	ND< 17.5
2-Hexanone	ND< 17.5
4-Methyl-2-pentanone	ND< 17.5

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 17.5
Vinyl acetate	ND< 17.5

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Surrogate outliers Indicate probable matrix interference

Signature: _____

Bruce Hoogesteger, Technical Director



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Volatile Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: Parking Lot Bronx

Lab Project Number: 06-2453

Lab Sample Number: 8153

Client Job Number: PB060261

Field Location: GB-12 5-7

Date Sampled: 08/15/2006

Date Received: 08/16/2006

Field ID Number: N/A

Sample Type: Soil

Date Analyzed: 08/22/2006

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 9.97
Bromomethane	ND< 9.97
Bromoform	ND< 9.97
Carbon Tetrachloride	ND< 9.97
Chloroethane	ND< 9.97
Chloromethane	ND< 9.97
2-Chloroethyl vinyl Ether	ND< 9.97
Chloroform	ND< 9.97
Dibromochloromethane	ND< 9.97
1,1-Dichloroethane	ND< 9.97
1,2-Dichloroethane	ND< 9.97
1,1-Dichloroethene	ND< 9.97
cis-1,2-Dichloroethene	ND< 9.97
trans-1,2-Dichloroethene	ND< 9.97
1,2-Dichloropropane	ND< 9.97
cis-1,3-Dichloropropene	ND< 9.97
trans-1,3-Dichloropropene	ND< 9.97
Methylene chloride	ND< 24.9
1,1,2,2-Tetrachloroethane	ND< 9.97
Tetrachloroethene	ND< 9.97
1,1,1-Trichloroethane	ND< 9.97
1,1,2-Trichloroethane	ND< 9.97
Trichloroethene	ND< 9.97
Trichlorofluoromethane	ND< 9.97
Vinyl chloride	ND< 9.97

ELAP Number 10958

Method: EPA 8260B

Data File: V38485.D

Aromatics	Results in ug / Kg
Benzene	ND< 9.97
Chlorobenzene	ND< 9.97
Ethylbenzene	ND< 9.97
Toluene	ND< 9.97
m,p-Xylene	ND< 9.97
o-Xylene	ND< 9.97
Styrene	ND< 9.97
1,2-Dichlorobenzene	ND< 9.97
1,3-Dichlorobenzene	ND< 9.97
1,4-Dichlorobenzene	ND< 9.97

Ketones	Results in ug / Kg
Acetone	ND< 49.8
2-Butanone	ND< 24.9
2-Hexanone	ND< 24.9
4-Methyl-2-pentanone	ND< 24.9

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 24.9
Vinyl acetate	ND< 24.9

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Surrogate outliers indicate probable matrix interference

Signature: _____

Bruce Hoogesteger, Technical Director



ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: Parking Lot Bronx

Lab Project Number: 06-2453

Lab Sample Number: 8154

Client Job Number: PB060261

Field Location: GB-13 5-9

Date Sampled: 08/15/2006

Field ID Number: N/A

Date Received: 08/16/2006

Sample Type: Soil

Date Analyzed: 08/22/2006

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 9.41
Bromomethane	ND< 9.41
Bromoform	ND< 9.41
Carbon Tetrachloride	ND< 9.41
Chloroethane	ND< 9.41
Chloromethane	ND< 9.41
2-Chloroethyl vinyl Ether	ND< 9.41
Chloroform	ND< 9.41
Dibromochloromethane	ND< 9.41
1,1-Dichloroethane	ND< 9.41
1,2-Dichloroethane	ND< 9.41
1,1-Dichloroethene	ND< 9.41
cis-1,2-Dichloroethene	ND< 9.41
trans-1,2-Dichloroethene	ND< 9.41
1,2-Dichloropropane	ND< 9.41
cis-1,3-Dichloropropene	ND< 9.41
trans-1,3-Dichloropropene	ND< 9.41
Methylene chloride	ND< 23.5
1,1,2,2-Tetrachloroethane	ND< 9.41
Tetrachloroethene	ND< 9.41
1,1,1-Trichloroethane	ND< 9.41
1,1,2-Trichloroethane	ND< 9.41
Trichloroethene	ND< 9.41
Trichlorofluoromethane	ND< 9.41
Vinyl chloride	ND< 9.41

ELAP Number 10958

Method: EPA 8260B

Data File: V38486.D

Aromatics	Results in ug / Kg
Benzene	ND< 9.41
Chlorobenzene	ND< 9.41
Ethylbenzene	ND< 9.41
Toluene	ND< 9.41
m,p-Xylene	ND< 9.41
o-Xylene	ND< 9.41
Styrene	ND< 9.41
1,2-Dichlorobenzene	ND< 9.41
1,3-Dichlorobenzene	ND< 9.41
1,4-Dichlorobenzene	ND< 9.41

Ketones	Results in ug / Kg
Acetone	ND< 47.0
2-Butanone	ND< 23.5
2-Hexanone	ND< 23.5
4-Methyl-2-pentanone	ND< 23.5

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 23.5
Vinyl acetate	ND< 23.5

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director



ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Soils/Solids/Sludges

Client: **Conrad Geoscience**

Client Job Site: Parking Lot Bronx

Lab Project Number: 06-2453

Lab Sample Number: 8155

Client Job Number: PB060261

Field Location: GB-14 0-2

Date Sampled: 08/15/2006

Field ID Number: N/A

Date Received: 08/16/2006

Sample Type: Soil

Date Analyzed: 08/22/2006

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 9.81
Bromomethane	ND< 9.81
Bromoform	ND< 9.81
Carbon Tetrachloride	ND< 9.81
Chloroethane	ND< 9.81
Chloromethane	ND< 9.81
2-Chloroethyl vinyl Ether	ND< 9.81
Chloroform	ND< 9.81
Dibromochloromethane	ND< 9.81
1,1-Dichloroethane	ND< 9.81
1,2-Dichloroethane	ND< 9.81
1,1-Dichloroethene	ND< 9.81
cis-1,2-Dichloroethene	ND< 9.81
trans-1,2-Dichloroethene	ND< 9.81
1,2-Dichloropropane	ND< 9.81
cis-1,3-Dichloropropene	ND< 9.81
trans-1,3-Dichloropropene	ND< 9.81
Methylene chloride	ND< 24.5
1,1,2,2-Tetrachloroethane	ND< 9.81
Tetrachloroethene	ND< 9.81
1,1,1-Trichloroethane	ND< 9.81
1,1,2-Trichloroethane	ND< 9.81
Trichloroethene	ND< 9.81
Trichlorofluoromethane	ND< 9.81
Vinyl chloride	ND< 9.81

ELAP Number 10958

Method: EPA 8260B

Data File: V38487.D

Aromatics	Results in ug / Kg
Benzene	ND< 9.81
Chlorobenzene	ND< 9.81
Ethylbenzene	ND< 9.81
Toluene	ND< 9.81
m,p-Xylene	ND< 9.81
o-Xylene	ND< 9.81
Styrene	ND< 9.81
1,2-Dichlorobenzene	ND< 9.81
1,3-Dichlorobenzene	ND< 9.81
1,4-Dichlorobenzene	ND< 9.81

Ketones	Results in ug / Kg
Acetone	ND< 49.1
2-Butanone	ND< 24.5
2-Hexanone	ND< 24.5
4-Methyl-2-pentanone	ND< 24.5

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 24.5
Vinyl acetate	ND< 24.5

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Surrogate outliers indicate probable matrix interference

Signature: _____

Bruce Hoogesteger, Technical Director



ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: Parking Lot Bronx

Lab Project Number: 06-2453

Lab Sample Number: 8156

Client Job Number: PB060261

Field Location: GB-15 6-8

Date Sampled: 08/15/2006

Field ID Number: N/A

Date Received: 08/16/2006

Sample Type: Soil

Date Analyzed: 08/22/2006

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 10.0
Bromomethane	ND< 10.0
Bromoform	ND< 10.0
Carbon Tetrachloride	ND< 10.0
Chloroethane	ND< 10.0
Chloromethane	ND< 10.0
2-Chloroethyl vinyl Ether	ND< 10.0
Chloroform	ND< 10.0
Dibromochloromethane	ND< 10.0
1,1-Dichloroethane	ND< 10.0
1,2-Dichloroethane	ND< 10.0
1,1-Dichloroethene	ND< 10.0
cis-1,2-Dichloroethene	ND< 10.0
trans-1,2-Dichloroethene	ND< 10.0
1,2-Dichloropropane	ND< 10.0
cis-1,3-Dichloropropene	ND< 10.0
trans-1,3-Dichloropropene	ND< 10.0
Methylene chloride	ND< 25.0
1,1,2,2-Tetrachloroethane	ND< 10.0
Tetrachloroethene	ND< 10.0
1,1,1-Trichloroethane	ND< 10.0
1,1,2-Trichloroethane	ND< 10.0
Trichloroethene	ND< 10.0
Trichlorofluoromethane	ND< 10.0
Vinyl chloride	ND< 10.0

ELAP Number 10958

Method: EPA 8260B

Data File: V38488.D

Aromatics	Results in ug / Kg
Benzene	ND< 10.0
Chlorobenzene	ND< 10.0
Ethylbenzene	ND< 10.0
Toluene	ND< 10.0
m,p-Xylene	ND< 10.0
o-Xylene	ND< 10.0
Styrene	ND< 10.0
1,2-Dichlorobenzene	ND< 10.0
1,3-Dichlorobenzene	ND< 10.0
1,4-Dichlorobenzene	ND< 10.0

Ketones	Results in ug / Kg
Acetone	ND< 50.0
2-Butanone	ND< 25.0
2-Hexanone	ND< 25.0
4-Methyl-2-pentanone	ND< 25.0

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 25.0
Vinyl acetate	ND< 25.0

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director



ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: Parking Lot Bronx

Lab Project Number: 06-2453

Lab Sample Number: 8157

Client Job Number: PB060261

Field Location: GB-16 11-13

Date Sampled: 08/15/2006

Field ID Number: N/A

Date Received: 08/16/2006

Sample Type: Soil

Date Analyzed: 08/22/2006

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 7.91
Bromomethane	ND< 7.91
Bromoform	ND< 7.91
Carbon Tetrachloride	ND< 7.91
Chloroethane	ND< 7.91
Chloromethane	ND< 7.91
2-Chloroethyl vinyl Ether	ND< 7.91
Chloroform	ND< 7.91
Dibromochloromethane	ND< 7.91
1,1-Dichloroethane	ND< 7.91
1,2-Dichloroethane	ND< 7.91
1,1-Dichloroethene	ND< 7.91
cis-1,2-Dichloroethene	ND< 7.91
trans-1,2-Dichloroethene	ND< 7.91
1,2-Dichloropropane	ND< 7.91
cis-1,3-Dichloropropene	ND< 7.91
trans-1,3-Dichloropropene	ND< 7.91
Methylene chloride	ND< 19.8
1,1,2,2-Tetrachloroethane	ND< 7.91
Tetrachloroethene	ND< 7.91
1,1,1-Trichloroethane	ND< 7.91
1,1,2-Trichloroethane	ND< 7.91
Trichloroethene	ND< 7.91
Trichlorofluoromethane	ND< 7.91
Vinyl chloride	ND< 7.91

ELAP Number 10958

Method: EPA 8260B

Data File: V38489.D

Aromatics	Results in ug / Kg
Benzene	ND< 7.91
Chlorobenzene	ND< 7.91
Ethylbenzene	ND< 7.91
Toluene	ND< 7.91
m,p-Xylene	ND< 7.91
o-Xylene	ND< 7.91
Styrene	ND< 7.91
1,2-Dichlorobenzene	ND< 7.91
1,3-Dichlorobenzene	ND< 7.91
1,4-Dichlorobenzene	ND< 7.91

Ketones	Results in ug / Kg
Acetone	ND< 39.6
2-Butanone	ND< 19.8
2-Hexanone	ND< 19.8
4-Methyl-2-pentanone	ND< 19.8

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 19.8
Vinyl acetate	ND< 19.8

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director



ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: Parking Lot Bronx

Lab Project Number: 06-2453

Lab Sample Number: 8158

Client Job Number: PB060261

Field Location: GB-17 10-12

Date Sampled: 08/15/2006

Date Received: 08/16/2006

Field ID Number: N/A

Date Analyzed: 08/22/2006

Sample Type: Soil

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 8.84
Bromomethane	ND< 8.84
Bromoform	ND< 8.84
Carbon Tetrachloride	ND< 8.84
Chloroethane	ND< 8.84
Chloromethane	ND< 8.84
2-Chloroethyl vinyl Ether	ND< 8.84
Chloroform	ND< 8.84
Dibromochloromethane	ND< 8.84
1,1-Dichloroethane	ND< 8.84
1,2-Dichloroethane	ND< 8.84
1,1-Dichloroethene	ND< 8.84
cis-1,2-Dichloroethene	ND< 8.84
trans-1,2-Dichloroethene	ND< 8.84
1,2-Dichloropropane	ND< 8.84
cis-1,3-Dichloropropene	ND< 8.84
trans-1,3-Dichloropropene	ND< 8.84
Methylene chloride	ND< 22.1
1,1,2,2-Tetrachloroethane	ND< 8.84
Tetrachloroethene	ND< 8.84
1,1,1-Trichloroethane	ND< 8.84
1,1,2-Trichloroethane	ND< 8.84
Trichloroethene	ND< 8.84
Trichlorofluoromethane	ND< 8.84
Vinyl chloride	ND< 8.84

ELAP Number 10956

Method: EPA 8260B

Data File: V38490.D

Aromatics	Results in ug / Kg
Benzene	ND< 8.84
Chlorobenzene	ND< 8.84
Ethylbenzene	ND< 8.84
Toluene	ND< 8.84
m,p-Xylene	ND< 8.84
o-Xylene	ND< 8.84
Styrene	ND< 8.84
1,2-Dichlorobenzene	ND< 8.84
1,3-Dichlorobenzene	ND< 8.84
1,4-Dichlorobenzene	ND< 8.84

Ketones	Results in ug / Kg
Acetone	ND< 44.2
2-Butanone	ND< 22.1
2-Hexanone	ND< 22.1
4-Methyl-2-pentanone	ND< 22.1

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 22.1
Vinyl acetate	ND< 22.1

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director



179 Lake Avenue, Rochester, NY 14608 (585) 647-2530 FAX (585) 647-3311

Client: Conrad Geoscience Lab Project No.: 06-2453
 Client Job Site: Parking Lot Bronx Lab Sample No.: 8143
 Client Job No.: PB060261 Sample Type: Soil
 Field Location: GB-1 1 12-14 Date Sampled: 08/14/2006
 Field ID No.: N/A Date Received: 08/16/2006

Laboratory Report for Solid Waste Analysis

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Arsenic	08/23/2006	EPA 6010	3.62
Barium	08/23/2006	EPA 6010	73.3
Cadmium	08/23/2006	EPA 6010	<0.544
Chromium	08/23/2006	EPA 6010	19.6
Lead	08/23/2006	EPA 6010	13.8
Mercury	08/20/2006	EPA 7471	0.0300
Selenium	08/23/2006	EPA 6010	<0.544
Silver	08/23/2006	EPA 6010	<1.09

ELAP ID No.:10958

Comments:

Approved By: _____


Bruce Hoogesteger, Technical Director

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File ID:062453.XLS



179 Lake Avenue, Rochester, NY 14608 (585) 647-2530 FAX (585) 647-3311

Client: Conrad Geoscience Lab Project No.: 06-2453
 Client Job Site: Parking Lot Bronx Lab Sample No.: 8144
 Client Job No.: PB060261 Sample Type: Soil
 Field Location: GB-2 0-5 Date Sampled: 08/14/2006
 Field ID No.: N/A Date Received: 08/18/2006

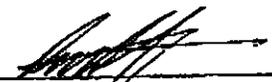
Laboratory Report for Solid Waste Analysis

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Arsenic	08/23/2006	EPA 6010	5.60
Barium	08/23/2006	EPA 6010	99.7
Cadmium	08/23/2006	EPA 6010	<0.531
Chromium	08/23/2006	EPA 6010	11.0
Lead	08/23/2006	EPA 6010	43.2
Mercury	08/20/2006	EPA 7471	0.0449
Selenium	08/23/2006	EPA 6010	<0.531
Silver	08/23/2006	EPA 6010	<1.06

ELAP ID No.: 10958

Comments:

Approved By: _____


Bruce Hoogesteger, Technical Director

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File ID:062453.XLS



179 Lake Avenue, Rochester, NY 14608 (585) 647-2530 FAX (585) 647-3311

Client: Conrad Geoscience Lab Project No.: 06-2453
 Client Job Site: Parking Lot Bronx Lab Sample No.: 8145
 Client Job No.: PB060261 Sample Type: Soil
 Field Location: GB-3 5-10 Date Sampled: 08/14/2006
 Field ID No.: N/A Date Received: 08/16/2006

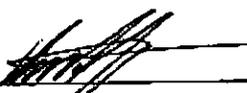
Laboratory Report for Solid Waste Analysis

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Arsenic	08/23/2006	EPA 6010	5.20
Barium	08/23/2006	EPA 6010	85.0
Cadmium	08/23/2006	EPA 6010	<0.501
Chromium	08/23/2006	EPA 6010	16.6
Lead	08/23/2006	EPA 6010	25.3
Mercury *	08/20/2006	EPA 7471	0.0961
Selenium	08/23/2006	EPA 6010	<0.501
Silver	08/23/2006	EPA 6010	<1.00

ELAP ID No.: 10958

Comments: * -Triplicate values differ by greater than 100 % difference between highest and lowest result. This indicates a non-homogenous sample.

Approved By: _____


Bruce Hoogesteger, Technical Director

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File ID:062453.XLS



179 Lake Avenue, Rochester, NY 14608 (585) 647-2530 FAX (585) 647-3311

Client: Conrad Geoscience Lab Project No.: 06-2453
 Lab Sample No.: 8146
 Client Job Site: Parking Lot Bronx Sample Type: Soil
 Client Job No.: PB060261
 Field Location: GB-4 12-14 Date Sampled: 08/14/2006
 Field ID No.: N/A Date Received: 08/16/2006

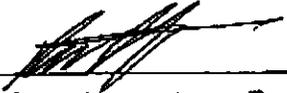
Laboratory Report for Solid Waste Analysis

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Arsenic	08/23/2006	EPA 6010	4.84
Barium	08/23/2006	EPA 6010	58.0
Cadmium	08/23/2006	EPA 6010	<0.591
Chromium	08/23/2006	EPA 6010	22.0
Lead	08/23/2006	EPA 6010	11.0
Mercury	08/20/2006	EPA 7471	0.0327
Selenium	08/23/2006	EPA 6010	<0.591
Silver	08/23/2006	EPA 6010	<1.18

ELAP ID No.:10958

Comments:

Approved By: _____


Bruce Hoogesteger, Technical Director

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File ID:062453.XLS



179 Lake Avenue, Rochester, NY 14608 (585) 647-2530 FAX (585) 647-3311

Client: Conrad Geoscience Lab Project No.: 06-2453
 Client Job Site: Parking Lot Bronx Lab Sample No.: 8147
 Client Job No.: PB060261 Sample Type: Soil
 Field Location: GB-5 12-14 Date Sampled: 08/14/2006
 Field ID No.: N/A Date Received: 08/16/2006

Laboratory Report for Solid Waste Analysis

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Arsenic	08/23/2006	EPA 6010	4.08
Barium	08/23/2006	EPA 6010	98.8
Cadmium	08/23/2006	EPA 6010	<0.540
Chromium	08/23/2006	EPA 6010	29.1
Lead	08/23/2006	EPA 6010	5.51
Mercury	08/20/2006	EPA 7471	<0.0204
Selenium	08/23/2006	EPA 6010	<0.540
Silver	08/23/2006	EPA 6010	<1.08

ELAP ID No.:10958

Comments:

Approved By: _____


Bruce Hoogesteger, Technical Director

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File ID:062453.XLS



179 Lake Avenue, Rochester, NY 14608 (585) 647-2530 FAX (585) 647-3311

Client: Conrad Geoscience Lab Project No.: 06-2453
 Client Job Site: Parking Lot Bronx Lab Sample No.: 8148
 Client Job No.: PB060261 Sample Type: Soil
 Field Location: GB-6 7-10 Date Sampled: 08/14/2006
 Field ID No.: N/A Date Received: 08/16/2006

Laboratory Report for Solid Waste Analysis

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Arsenic	08/23/2006	EPA 6010	5.54
Barium	08/23/2006	EPA 6010	142
Cadmium	08/23/2006	EPA 6010	<0.556
Chromium	08/23/2006	EPA 6010	23.4
Lead	08/23/2006	EPA 6010	254
Mercury	08/20/2006	EPA 7471	0.6842
Selenium	08/23/2006	EPA 6010	<0.556
Silver	08/23/2006	EPA 6010	<1.11

ELAP ID No.:10956

Comments:

Approved By: _____


Bruce Hebgesteger, Technical Director

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File ID:062453.XLS



179 Lake Avenue, Rochester, NY 14608 (585) 647-2530 FAX (585) 647-3311

Client: Conrad Geoscience Lab Project No.: 06-2453
 Client Job Site: Parking Lot Bronx Lab Sample No.: 8149
 Client Job No.: PB060261 Sample Type: Soil
 Field Location: GB-7 12-14 Date Sampled: 08/14/2006
 Field ID No.: N/A Date Received: 08/16/2006

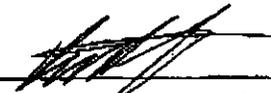
Laboratory Report for Solid Waste Analysis

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Arsenic	08/23/2006	EPA 6010	2.99
Barium	08/23/2006	EPA 6010	91.7
Cadmium	08/23/2006	EPA 6010	<0.595
Chromium	08/23/2006	EPA 6010	23.0
Lead	08/23/2006	EPA 6010	11.2
Mercury	08/20/2006	EPA 7471	0.0363
Selenium	08/23/2006	EPA 6010	<0.595
Silver	08/23/2006	EPA 6010	<1.19

ELAP ID No.:10958

Comments:

Approved By: _____


Bruce Hoogesteger, Technical Director

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File ID:062453.XLS



179 Lake Avenue, Rochester, NY 14608 (585) 647-2530 FAX (585) 647-3311

Client: Conrad Geoscience Lab Project No.: 06-2453
 Lab Sample No.: 8150
 Client Job Site: Parking Lot Bronx Sample Type: Soil
 Client Job No.: PB060261
 Field Location: GB-8 2-4 Date Sampled: 08/14/2006
 Field ID No.: N/A Date Received: 08/16/2006

Laboratory Report for Solid Waste Analysis

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Arsenic	08/23/2006	EPA 6010	4.70
Barium	08/23/2006	EPA 6010	284
Cadmium	08/23/2006	EPA 6010	0.473
Chromium	08/23/2006	EPA 6010	23.6
Lead	08/23/2006	EPA 6010	159
Mercury *	08/20/2006	EPA 7471	0.2519 M
Selenium	08/23/2006	EPA 6010	<0.465
Silver	08/23/2006	EPA 6010	<0.930

ELAP ID No.:10958

Comments: * -Triplicate values differ by greater than 100 % difference between highest and lowest result.
 This indicates a non-homogenous sample.

Approved By: _____

Bruce Hoogesteger, Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional sample information, including compliance with sample condition requirements upon receipt.

File ID:062453.XLS



179 Lake Avenue, Rochester, NY 14608 (585) 647-2530 FAX (585) 647-3311

Client: Conrad Geoscience Lab Project No.: 06-2453
 Client Job Site: Parking Lot Bronx Lab Sample No.: 8151
 Client Job No.: PB060261 Sample Type: Soil
 Field Location: GB-10 9-10' Date Sampled: 08/14/2006
 Field ID No.: N/A Date Received: 08/16/2006

Laboratory Report for Solid Waste Analysis

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Arsenic	08/23/2006	EPA 6010	4.58
Barium	08/23/2006	EPA 6010	261
Cadmium	08/23/2006	EPA 6010	<0.488
Chromium	08/23/2006	EPA 6010	22.3
Lead	08/23/2006	EPA 6010	102
Mercury	08/22/2006	EPA 7471	0.0624
Selenium	08/23/2006	EPA 6010	<0.488
Silver	08/23/2006	EPA 6010	<0.976

ELAP ID No.:10958

Comments:

Approved By: _____

Bruce Hodgester, Technical Director

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File ID:062453.XLS



179 Lake Avenue, Rochester, NY 14608 (585) 647-2530 FAX (585) 647-3311

Client: Conrad Geoscience Lab Project No.: 06-2453
 Lab Sample No.: 8152
 Client Job Site: Parking Lot Bronx Sample Type: Soil
 Client Job No.: PB060261
 Field Location: GB-11 0-5 Date Sampled: 08/14/2006
 Field ID No.: N/A Date Received: 08/16/2006

Laboratory Report for Solid Waste Analysis

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Arsenic	08/23/2006	EPA 6010	5.89
Barium	08/23/2006	EPA 6010	166
Cadmium	08/23/2006	EPA 6010	<0.509
Chromium	08/23/2006	EPA 6010	14.3
Lead	08/23/2006	EPA 6010	132
Mercury	08/22/2006	EPA 7471	0.2352
Selenium	08/23/2006	EPA 6010	<0.509
Silver	08/23/2006	EPA 6010	<1.02

ELAP ID No.:10958

Comments:

Approved By: _____


Bruce Hoogesteger, Technical Director

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File ID:062453.XLS



179 Lake Avenue, Rochester, NY 14606 (585) 647-2530 FAX (585) 647-3311

Client:	<u>Conrad Geoscience</u>	Lab Project No.:	06-2453
Client Job Site:	Parking Lot Bronx	Lab Sample No.:	8153
Client Job No.:	PB060261	Sample Type:	Soil
Field Location:	GB-12 5-7	Date Sampled:	08/15/2006
Field ID No.:	N/A	Date Received:	08/16/2006

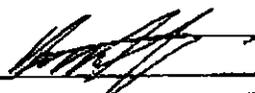
Laboratory Report for Solid Waste Analysis

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Arsenic	08/23/2006	EPA 6010	5.90
Barium	08/23/2006	EPA 6010	74.7
Cadmium	08/23/2006	EPA 6010	<0.523
Chromium	08/23/2006	EPA 6010	23.1
Lead	08/23/2006	EPA 6010	37.2
Mercury *	08/22/2006	EPA 7471	0.1172
Selenium	08/23/2006	EPA 6010	<0.523
Silver	08/23/2006	EPA 6010	<1.05

ELAP ID No.:10958

Comments: * -Triplicate values differ by greater than 100 % difference between highest and lowest result. This indicates a non-homogenous sample.

Approved By:


 Bruce Höggesteger, Technical Director

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File ID:062453.XLS



179 Lake Avenue, Rochester, NY 14608 (585) 647-2530 FAX (585) 647-3311

Client: Conrad Geoscience Lab Project No.: 06-2453
 Client Job Site: Parking Lot Bronx Lab Sample No.: 8154
 Client Job No.: PB060261 Sample Type: Soil
 Field Location: GB-13 5-9 Date Sampled: 08/15/2006
 Field ID No.: N/A Date Received: 08/16/2006

Laboratory Report for Solid Waste Analysis

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Arsenic	08/23/2006	EPA 6010	4.91
Barium	08/23/2006	EPA 6010	177
Cadmium	08/23/2006	EPA 6010	<0.519
Chromium	08/23/2006	EPA 6010	14.3
Lead	08/23/2006	EPA 6010	143
Mercury *	08/22/2006	EPA 7471	0.1664
Selenium	08/23/2006	EPA 6010	<0.519
Silver	08/23/2006	EPA 6010	<1.04

ELAP ID No.: 10958

Comments: * -Triplicate values differ by greater than 100 % difference between highest and lowest result. This indicates a non-homogenous sample.

Approved By: _____


Bruce Hoogesteger, Technical Director

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File ID:062453.XLS



179 Lake Avenue, Rochester, NY 14608 (585) 647-2530 FAX (585) 647-3311

Client: Conrad Geoscience Lab Project No.: 06-2453
 Client Job Site: Parking Lot Bronx Lab Sample No.: 8155
 Client Job No.: PB060261 Sample Type: Soil
 Field Location: GB-14 0-2 Date Sampled: 08/15/2006
 Field ID No.: N/A Date Received: 08/16/2006

Laboratory Report for Solid Waste Analysis

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Arsenic	08/23/2006	EPA 6010	10.7
Barium	08/23/2006	EPA 6010	2690
Cadmium	08/23/2006	EPA 6010	1.44
Chromium	08/23/2006	EPA 6010	17.8
Lead	08/23/2006	EPA 6010	13400
Mercury *	08/22/2006	EPA 7471	0.1889
Selenium	08/23/2006	EPA 6010	<0.551
Silver	08/23/2006	EPA 6010	<1.10

ELAP ID No.: 10958

Comments: * -TriPLICATE values differ by greater than 100 % difference between highest and lowest result. This indicates a non-homogenous sample.

Approved By: _____

Bruce Hoogesteger, Technical Director

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File ID:062453.XLS



179 Lake Avenue, Rochester, NY 14608 (585) 647-2530 FAX (585) 647-3311

Client: Conrad Geoscience Lab Project No.: 06-2453
 Client Job Site: Parking Lot Bronx Lab Sample No.: 8156
 Client Job No.: PB060261 Sample Type: Soil
 Field Location: GB-15 6-8 Date Sampled: 08/15/2006
 Field ID No.: N/A Date Received: 08/16/2006

Laboratory Report for Solid Waste Analysis

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Arsenic	08/23/2006	EPA 6010	4.75
Barium	08/23/2006	EPA 6010	114
Cadmium	08/23/2006	EPA 6010	<0.526
Chromium	08/23/2006	EPA 6010	69.2
Lead	08/23/2006	EPA 6010	39.1
Mercury *	08/22/2006	EPA 7471	0.0497
Selenium	08/23/2006	EPA 6010	<0.526
Silver	08/23/2006	EPA 6010	<1.06

ELAP ID No.:10958

Comments: * -Triplicate values differ by greater than 100 % difference between highest and lowest result. This indicates a non-homogenous sample.

Approved By: _____

Bruce Hoogsteger, Technical Director

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File ID:082453.XLS



179 Lake Avenue, Rochester, NY 14608 (585) 647-2530 FAX (585) 647-3311

Client: Conrad Geoscience Lab Project No.: 06-2453
 Client Job Site: Parking Lot Bronx Lab Sample No.: 8157
 Client Job No.: PB060261 Sample Type: Soil
 Field Location: GB-16 11-13 Date Sampled: 08/15/2006
 Field ID No.: N/A Date Received: 08/16/2006

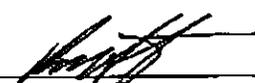
Laboratory Report for Solid Waste Analysis

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Arsenic	08/23/2006	EPA 6010	3.11
Barium	08/23/2006	EPA 6010	96.4
Cadmium	08/23/2006	EPA 6010	<0.476
Chromium	08/23/2006	EPA 6010	21.9
Lead	08/23/2006	EPA 6010	5.88
Mercury	06/22/2006	EPA 7471	<0.0202
Selenium	08/23/2006	EPA 6010	<0.476
Silver	08/23/2006	EPA 6010	<0.951

ELAP ID No.:10958

Comments:

Approved By: _____


Bruce Hoogesteger, Technical Director

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File ID:062453.XLS



179 Lake Avenue, Rochester, NY 14608 (585) 647-2530 FAX (585) 647-3311

Client: Conrad Geoscience Lab Project No.: 06-2453
 Client Job Site: Parking Lot Bronx Lab Sample No.: 8158
 Client Job No.: PB060261 Sample Type: Soil
 Field Location: GB-17 10-12 Date Sampled: 08/15/2006
 Field ID No.: N/A Date Received: 08/16/2006

Laboratory Report for Solid Waste Analysis

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Arsenic	08/23/2006	EPA 6010	3.73
Barium	08/23/2006	EPA 6010	76.6 M
Cadmium	08/23/2006	EPA 6010	<0.539 M
Chromium	08/23/2006	EPA 6010	33.9 M
Lead	08/23/2006	EPA 6010	17.8 D,M
Mercury	08/22/2006	EPA 7471	0.0423
Selenium	08/23/2006	EPA 6010	<0.539
Silver	08/23/2006	EPA 6010	<1.06

ELAP ID No.:10958

Comments:

Approved By: _____

Bruce Hoogesteger, Technical Director

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File ID:062453.XLS



ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Semi-Volatile STARS Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: Parking Lot Bronx

Lab Project Number: 06-2453

Client Job Number: PB060261

Lab Sample Number: 8143

Field Location: GB-1 12-14

Date Sampled: 08/14/2006

Field ID Number: N/A

Date Received: 08/18/2006

Sample Type: Soil

Date Analyzed: 08/21/2006

Base / Neutrals	Results in ug / Kg
Acenaphthene	ND< 354
Acenaphthylene	ND< 354
Anthracene	ND< 354
Benzo (a) anthracene	ND< 354
Benzo (a) pyrene	ND< 354
Benzo (b) fluoranthene	ND< 354
Benzo (g,h,i) perylene	ND< 354
Benzo (k) fluoranthene	ND< 354
Chrysene	ND< 354
Dibenz (a,h) anthracene	ND< 354
Fluoranthene	ND< 354
Fluorene	ND< 354
Indeno (1,2,3-cd) pyrene	ND< 354
Naphthalene	ND< 354
Phenanthrene	ND< 354
Pyrene	ND< 354

ELAP Number 10956

Method: EPA 8270C

Data File: S30854.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: 

Bruce Hoogesteger, Technical Director



179 Lake Avenue Rochester, New York 14608 (585) 647-2530 FAX (585) 647-3311

Semi-Volatile STARS Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: Parking Lot Bronx

Lab Project Number: 06-2453
Lab Sample Number: 8144

Client Job Number: PB060261
Field Location: GB-2 0-5
Field ID Number: N/A
Sample Type: Soil

Date Sampled: 08/14/2006
Date Received: 08/16/2006
Date Analyzed: 08/21/2006

Base / Neutrals	Results in ug / Kg
Acenaphthene	ND< 3,160
Acenaphthylene	ND< 3,160
Anthracene	ND< 3,160
Benzo (a) anthracene	ND< 3,160
Benzo (a) pyrene	ND< 3,160
Benzo (b) fluoranthene	ND< 3,160
Benzo (g,h,i) perylene	ND< 3,160
Benzo (k) fluoranthene	ND< 3,160
Chrysene	ND< 3,160
Dibenz (a,h) anthracene	ND< 3,160
Fluoranthene	4,310
Fluorene	ND< 3,160
Indeno (1,2,3-cd) pyrene	ND< 3,160
Naphthalene	ND< 3,160
Phenanthrene	ND< 3,160
Pyrene	3,670

ELAP Number 10958

Method: EPA 8270C

Data File: S30855.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director



ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Semi-Volatile STARS Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: Parking Lot Bronx

Lab Project Number: 06-2453

Lab Sample Number: 8145

Client Job Number: PB060261

Date Sampled: 08/14/2006

Field Location: GB-3 5-10

Date Received: 08/16/2006

Field ID Number: N/A

Date Analyzed: 08/21/2006

Sample Type: Soil

Base / Neutrals	Results in ug / Kg
Acenaphthene	962
Acenaphthylene	ND< 315
Anthracene	1,710
Benzo (a) anthracene	3,770
Benzo (a) pyrene	2,610
Benzo (b) fluoranthene	1,710
Benzo (g,h,i) perylene	1,750
Benzo (k) fluoranthene	517
Chrysene	4,710
Dibenz (a,h) anthracene	790
Fluoranthene	8,920
Fluorene	727
Indeno (1,2,3-cd) pyrene	1,450
Naphthalene	ND< 315
Phenanthrene	E 8,480
Pyrene	E 9,480

ELAP Number 10958

Method: EPA 8270C

Data File: S30856.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director


PARADIGM

ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Semi-Volatile STARS Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience
Client Job Site: Parking Lot Bronx

Lab Project Number: 06-2453

Lab Sample Number: 8146

Client Job Number: PB060261

Field Location: GB-4 12-14

Date Sampled: 08/14/2006

Field ID Number: N/A

Date Received: 08/16/2006

Sample Type: Soil

Date Analyzed: 08/21/2006

Base / Neutrals	Results in ug / Kg
Acenaphthene	ND< 338
Acenaphthylene	ND< 338
Anthracene	ND< 338
Benzo (a) anthracene	ND< 338
Benzo (a) pyrene	ND< 338
Benzo (b) fluoranthene	ND< 338
Benzo (g,h,i) perylene	ND< 338
Benzo (k) fluoranthene	ND< 338
Chrysene	ND< 338
Dibenz (a,h) anthracene	ND< 338
Fluoranthene	ND< 338
Fluorene	ND< 338
Indeno (1,2,3-cd) pyrene	ND< 338
Naphthalene	ND< 338
Phenanthrene	ND< 338
Pyrene	ND< 338

ELAP Number 10958 Method: EPA 8270C Data File: S30857.D

Comments: ND denotes Non Detect
 ug / Kg = microgram per Kilogram

Signature:


 Bruce Hoogesteger: Technical Director



ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Semi-Volatile STARS Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: Parking Lot Bronx

Lab Project Number: 06-2453
Lab Sample Number: 8147

Client Job Number: PB060261
Field Location: GB-5 12-14
Field ID Number: N/A
Sample Type: Soil

Date Sampled: 08/14/2006
Date Received: 08/16/2006
Date Analyzed: 08/21/2006

Base / Neutrals	Results in ug / Kg
Acenaphthene	ND< 317
Acenaphthylene	ND< 317
Anthracene	ND< 317
Benzo (a) anthracene	ND< 317
Benzo (a) pyrene	ND< 317
Benzo (b) fluoranthene	ND< 317
Benzo (g,h,i) perylene	ND< 317
Benzo (k) fluoranthene	ND< 317
Chrysene	ND< 317
Dibenz (a,h) anthracene	ND< 317
Fluoranthene	ND< 317
Fluorene	ND< 317
Indeno (1,2,3-cd) pyrene	ND< 317
Naphthalene	ND< 317
Phenanthrene	ND< 317
Pyrene	ND< 317

ELAP Number 10958

Method: EPA 8270C

Data File: S30858.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director



179 Lake Avenue Rochester, New York 14608 (585) 647-2530 FAX (585) 647-3311

Semi-Volatile STARS Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: Parking Lot Bronx

Lab Project Number: 06-2453

Lab Sample Number: 8148

Client Job Number: PB060261

Field Location: GB-67-10

Date Sampled: 08/14/2006

Field ID Number: N/A

Date Received: 08/16/2006

Sample Type: Soil

Date Analyzed: 08/21/2006

Base / Neutrals	Results in ug / Kg
Acenaphthene	ND< 338
Acenaphthylene	ND< 338
Anthracene	422
Benzo (a) anthracene	803
Benzo (a) pyrene	642
Benzo (b) fluoranthene	717
Benzo (g,h,i) perylene	442
Benzo (k) fluoranthene	718
Chrysene	839
Dibenz (a,h) anthracene	ND< 338
Fluoranthene	1,980
Fluorene	ND< 338
Indeno (1,2,3-cd) pyrene	356
Naphthalene	ND< 338
Phenanthrene	2,160
Pyrene	2,090

ELAP Number 10958

Method: EPA 8270C

Data File: S30859.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director



179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Semi-Volatile STARS Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: Parking Lot Bronx

Lab Project Number: 06-2453
Lab Sample Number: 0149

Client Job Number: PB060261
Field Location: GB-7 12-14
Field ID Number: N/A
Sample Type: Soil

Date Sampled: 08/14/2006
Date Received: 08/16/2006
Date Analyzed: 08/21/2006

Base / Neutrals	Results in ug / Kg
Acenaphthene	ND< 351
Acenaphthylene	ND< 351
Anthracene	ND< 351
Benzo (a) anthracene	ND< 351
Benzo (a) pyrene	ND< 351
Benzo (b) fluoranthene	ND< 351
Benzo (g,h,i) perylene	ND< 351
Benzo (k) fluoranthene	ND< 351
Chrysene	ND< 351
Dibenz (a,h) anthracene	ND< 351
Fluoranthene	ND< 351
Fluorene	ND< 351
Indeno (1,2,3-cd) pyrene	ND< 351
Naphthalene	ND< 351
Phenanthrene	ND< 351
Pyrene	ND< 351

ELAP Number 10958

Method: EPA 0270C

Data File: S30860.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: 
Bruce Hoogesteger: Technical Director



ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Semi-Volatile STARS Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: Parking Lot Bronx

Lab Project Number: 06-2453

Lab Sample Number: 8150

Client Job Number: PB060261

Field Location: GB-8 2-4

Date Sampled: 08/14/2006

Date Received: 08/16/2006

Field ID Number: N/A

Sample Type: Soil

Date Analyzed: 08/21/2006

Base / Neutrals	Results in ug / Kg
Acenaphthene	ND< 307
Acenaphthylene	461
Anthracene	737
Benzo (a) anthracene	2,360
Benzo (a) pyrene	4,870
Benzo (b) fluoranthene	2,100
Benzo (g,h,i) perylene	1,980
Benzo (k) fluoranthene	1,460
Chrysene	2,580
Dibenz (a,h) anthracene	ND< 307
Fluoranthene	4,650
Fluorene	ND< 307
Indeno (1,2,3-cd) pyrene	1,630
Naphthalene	ND< 307
Phenanthrene	2,080
Pyrene	6,000

ELAP Number 10958 Method: EPA 8270C Data File: S30861.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Surrogate outlier indicates probable matrix interference

Signature: _____

Bruce Hoogsteger, Technical Director



179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Semi-Volatile STARS Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: Parking Lot Bronx

Lab Project Number: 06-2453

Lab Sample Number: 8151

Client Job Number: PB060261

Date Sampled: 08/14/2006

Field Location: GB-10 9-10

Date Received: 08/16/2006

Field ID Number: N/A

Date Analyzed: 08/21/2006

Sample Type: Soil

Base / Neutrals	Results in ug / Kg
Acenaphthene	ND< 3,150
Acenaphthylene	ND< 3,150
Anthracene	ND< 3,150
Benzo (a) anthracene	ND< 3,150
Benzo (a) pyrene	ND< 3,150
Benzo (b) fluoranthene	ND< 3,150
Benzo (g,h,i) perylene	ND< 3,150
Benzo (k) fluoranthene	ND< 3,150
Chrysene	ND< 3,150
Dibenz (a,h) anthracene	ND< 3,150
Fluoranthene	4,330
Fluorene	ND< 3,150
Indeno (1,2,3-cd) pyrene	ND< 3,150
Naphthalene	ND< 3,150
Phenanthrene	4,720
Pyrene	4,210

ELAP Number 10958 Method: EPA 8270C Data File: S30862.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(585) 647-2530 • (800) 724-1997
FAX: (585) 647-3311

PROJECT NAME/SITE NAME:
Parkville Branch

COMPANY:	Cowans Geoscience	ADDRESS:	BREYMOND AVE	CITY:	DAUGHTERESSIE NY	STATE:	NY	ZIP:	12663
PHONE:	845 454 2599	ATTN:	A. CUNN	PHONE:	845 454 2599	ATTN:	A. CUNN	PHONE:	845 454 2599
COMMENTS:									

LAB PROJECT #:	06-2453	CLIENT PROJECT #:	P8060261
TURNAROUND TIME (WORKING DAYS):	1	QUOTE #:	2
STD	<input checked="" type="checkbox"/>	OTHER	<input type="checkbox"/>

DATE	TIME	COMPOSITE	GRADES	SAMPLE LOCATION/FIELD ID	MATERIALS	CONTAMINANTS	REMARKS	PARADIGM LAB SAMPLE NUMBER
18-14-06	0930	X	X	GB-1 12-14	S	1	✓	8153
2	0951	X	X	GB-2 0-5	S	1	✓	8144
3	1018	X	X	GB-3 5-10	S	1	✓	8145
4	1056	X	X	GB-4 12-14	S	1	✓	8146
5	1128	X	X	GB-5 12-14	S	1	✓	8147
6	1144	X	X	GB-6 7-10	S	1	✓	8148
7	1258	X	X	GB-7 12-14	S	1	✓	8149
8	1317	X	X	GB-8 2-4	S	1	✓	8150
9	1447	X	X	GB-10 9-10'	S	1	✓	8151
10	1535	X	X	GB-11 6-5	S	1	✓	8152

Sample Condition: Per NELAC ELAP 210/241/242/243/244

Receipt Parameter: NELAC Compliance

Container Type: Y N

Presentation: Y N

Holding Time: Y N

Temperature: 11°C iced Y N

Received By: Erica A. Honick Date/Time: 8/16/06 11:25

Received @ Lab By: _____ Date/Time: _____

Sampled By: Andria S. Quinn Date/Time: 8-15-06/1300

Relinquished By: _____ Date/Time: _____

Total Cost: _____

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
 Rochester, NY 14608
 (585) 647-2530 • (800) 724-1997
 FAX: (585) 647-3311

CHAIN OF CUSTODY 2012

PROJECT NAME/SITE NAME:
 Parkers Ln - Bronx

COMPANY:	Camrad Geoscience	ADDRESS:	Braymond Ave	CITY:	NY	STATE:	NY	ZIP:	12603
PHONE:	518-454-2574	FAX:	-2655	CITY:		STATE:		ZIP:	
ATTN:	A. QUINN	ATTN:	C. BROWN	LAB PROJECT #:	06-2453	CLIENT PROJECT #:	PR2021	TURNAROUND TIME (WORKING DAYS):	1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input checked="" type="checkbox"/>
COMMENTS:	# 2 of 2			STD	<input checked="" type="checkbox"/>	OTHER	<input type="checkbox"/>		

DATE	TIME	COMPOSITE	GRADES	SAMPLE LOCATION/FIELD ID	MATERIAL	CONTAINERS	REMARKS	PARADIGM LAB SAMPLE NUMBER
1	8:1506	0950	X	GB-12 5-7	S	1	80000	8153
2		1023	X	GB-13 5-9	S	1	80000	8154
3		1100	X	GB-14 0-2	S	1	80000	8155
4		1120	X	GB-15-6-8	S	1	80000	8156
5		1250	X	GB-16-11-13	S	1	80000	8157
6		1230	X	GB-17 10-12	S	1	80000	8158
7								
8								
9								
10								

LAB USE ONLY

SAMPLE CONDITION: Check box if acceptable or note deviation: CONTAINER TYPE: PRESERVATIONS: HOLDING TIME: TEMPERATURE: 11°C recd

Sampled By: *Andria Dinn* Date/Time: *8.15.06/1300*
 Relinquished By: *Andria Dinn* Date/Time: *8.15.06/1300*
 Received By: *Andria Dinn* Date/Time: *8.15.06/1300*

Relinquished By: _____ Date/Time: _____
 Received By: _____ Date/Time: _____

Received @ Lab By: *Elizabeth O. Honick* Date/Time: *8/16/06 1125*

Total Cost: _____ P.L.F. _____

Appendix D

PHASE I ENVIRONMENTAL SITE ASSESSMENT

VACANT LOT

3160 Park Avenue

Borough of the Bronx, Bronx County, New York

Conrad Geoscience File #PB060263

January 16, 2009

Prepared for:

RBC Tax Credit Equity, LLC
123 N. Wacker Drive, Suite 2380
Chicago, IL 60606-1917

Prepared by:



Conrad Geoscience Corp.
One Civic Center Plaza, Suite 501
Poughkeepsie, New York 12601

PHASE I ENVIRONMENTAL SITE ASSESSMENT

VACANT LOT

3160 Park Avenue

Borough of the Bronx, Bronx County, New York

Conrad Geoscience Corp. is submitting this report for work performed at the above-referenced site. This report has been prepared in conformance with the scope and limitations ASTM Standard E-1527-05, *Standard Practice for Phase I Environmental Site Assessments for Commercial Property Transactions*. If you have any questions or comments, please contact one of the individuals listed below. We declare that, to the best of our professional knowledge and belief, we meet the definition of *environmental professional* as defined in 40 CFR Part 312.10. We have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

CONRAD GEOSCIENCE CORP.

Stephanie P. LaRose
Geologist/Assistant Preparer

Christopher B. Brown, CPG
Senior Hydrogeologist/Preparer

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1.0 Executive Summary

Conrad Geoscience personnel have conducted a Phase I Environmental Site Assessment in conformance with ASTM Standard E-1527-05 of the property at 3160 Park Avenue, Borough of the Bronx, Bronx County, New York (the subject property). Any exceptions to, or deletions from, this practice are described in Section 2 of this report. This assessment has revealed no evidence of *recognized environmental conditions* in connection with the property, except for the following:

1. Several spills are located near the subject property that have not been closed by NYSDEC. In addition, adjacent to the subject property are two Brownfield Cleanup Program sites that recently entered the program.
2. Past operations on the subject property include a ceramics manufacturing facility and an automotive repair facility. The layout and configuration of the ceramics manufacturing facility is unknown. Sub-grade structures such as a basement or other manufacturing components could be present. Although we have observed no evidence that hazardous or regulated substances were spilled or discharged as a result of these operations, such spillage or discharge cannot be ruled out. Discharge of hazardous or regulated substances from such operations can affect soil and groundwater, and, therefore, such historical uses represent a recognized environmental condition. In addition, the site operated a NYC Transit Authority facility, which generated more than 11,000 pounds of lead-contaminated waste in 1999, which was reportedly disposed of off-site.
3. Several properties in the immediate vicinity of the site are listed with regulatory agencies as the location of a release of hazardous or regulated substances, or undergoing a remedial effort. Contaminated soil and groundwater at these locations has the potential to create vapors which can accumulate in the subsurface beneath building foundations. This condition can adversely impact indoor air quality and result in a health hazard to building occupants. No structures currently exist at this location, however, any future construction should be designed to include vapor barriers or sub-slab venting systems to mitigate this potential condition.

Additional investigations would be necessary to quantify the potential for subsurface vapors to impact the subject property.

1.1 Phase II Investigation Summary

To verify the presence or absence of subsurface contamination originating from past site usage, a Phase II subsurface investigation was conducted on August 14 and 15, 2006, and consisted of 16 soil borings and collection and analysis of soil samples.

1. Results of the Phase II investigation revealed elevated concentrations of semi-volatile organic compounds (SVOCs) in shallow subsurface soils (2'-10' depth) in the vicinity of former automotive repair operations. Low concentrations of metals were detected in all

soil borings, and are likely components of coal ash and urban fill material. Boring GB-14 soil (0'-2' depth) had elevated concentrations of lead (13,400 mg/kg), which is likely to be residue of lead waste, possibly from pas ceramics manufacturing operations.

2. On May 21, 2007, Conrad Geoscience conducted additional Phase II investigations, including 14 soil borings in the vicinity of previously collected soil sample GB-14 (0-2') to further delineate the distribution of lead in surface soils. In addition, three groundwater samples were collected using the Geoprobe SP-16 groundwater sampling tool and a peristaltic pump.
3. Groundwater samples collected from three locations indicate that past on-site and off-site activities have not adversely affected local groundwater quality at the subject property. Lead was detected in surface soil samples at concentrations lower than previously detected in soil sample GB-14 (0-2'), from August 2006. Although the concentration of lead exceeded the 6NYCRR Part 375 standard for Unrestricted Use, the appropriate standard for this property and future use is the Restricted-Residential standard of 400 mg/kg. None of the soil samples collected exceeded this standard. Therefore, regulatory involvement for active remediation of soil in this area, or RCRA closure activities is not warranted. NYSDEC considers the on-site material "historical fill" and must be handled as Municipal Solid Waste. Soil removed from this site must be disposed of at a Part 360 Subtitle D landfill.

2.0 Introduction

2.1 Objectives

This Environmental Site Assessment (ESA) is intended to identify *recognized environmental conditions* with respect to the range of contaminants within the scope of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) and petroleum products on the subject property (defined in section 3.0). The term *recognized environmental conditions* is defined in accordance with ASTM E 1527-05 **Standard Practice of Environmental Site Assessments for Commercial Real Estate Transactions** *as the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property (ASTM 2005).*

2.2 Scope and Limitations of Report

Conrad Geoscience conducted a visual inspection of the subject property, a review of regulatory records and documents, and a review of historical records and documents in accordance with ASTM E 1527-05 and the appended Scope and Limitations (Appendix F).

2.3 Significant Assumptions

Conrad Geoscience assumes that all database records, historical information, and interviews conducted regarding the subject property are from reliable sources. No attempt was made to verify the reliability of said sources, as it is not required to verify the information provided according to Section 7.5.2.1 of ASTM E 1527-05. Conclusions and recommendations in Section 8.0 are based on information obtained from said sources and a visual inspection of the subject property. References and sources used for the preparation of this report may be viewed in Appendix G.

2.4 Special Terms and Conditions

There were no special terms and conditions.

2.5 User Reliance

Conrad Geoscience has prepared this Phase I ESA for RBC Tax Credit Equity, LLC. This report provides an assessment of the presence of regulated or hazardous materials, as defined by CERCLA, and an evaluation of any *recognized environmental conditions*. RBC Tax Credit Equity, LLC and RBC Tax Credit Manager II, Inc. are authorized to rely on this Phase I ESA.

3.0 Site Description

3.1 Subject Property Location

The subject property is located at 3160 Park Avenue in the Borough of the Bronx, Bronx County, New York (Figure 1), on the south side of 161st Street. Alternate addresses for the site are 3161 and 3162 Park Avenue and 855-861 Courtlandt Avenue. The subject property is further defined as Block 2419, Lot 28.

3.2 Site Features, Characteristics and Current Operations

The subject property is a vacant lot consisting of an entire city block in The Bronx. Surface topography slopes downhill to the southeast. A chain-link fence and plywood walls surround the property. Access to the lot is through a gate along the north side of the property on 161st Street. The property is covered by debris and vegetation and some asphalt-paved areas. The property is bound by 161st Street to the north, Courtlandt Avenue to the east, 160th Street to the south and Park Avenue to the west.

3.3 Current Uses of Adjoining Properties

The adjacent properties to the south, east, and west are residential. Adjacent properties to the north are residential and a public park (Railroad Park). Adjacent properties to the east are a large building labeled "Bronx Defenders" and a vacant auto repair facility and gas station. The auto repair and gas station property is part of a Brownfield Cleanup Program site.

4.0 Database Search

A review of state and federal documents and databases was performed to identify recorded hazardous waste or regulated substance activities on or near the subject property. Information from state and federal databases was compiled by Environmental Data Resources (EDR), an independent subcontractor to Conrad Geoscience Corp. The information presented below is a summary of this report. A complete listing of the sources searched and a complete copy of the database report are provided in Appendix C. The search distances as assigned in ASTM E 1527-05 were used for each of the following environmental record sources.

4.1 Federal and State Hazardous Waste Sites - NPL, CERCLIS, SHWS, HSWDS

National Priority List (NPL)

The subject property is not listed with the USEPA as a National Priority Listing (NPL) hazardous waste disposal site. No NPL sites were identified within 1.0 mile of the subject property. There were also no proposed or delisted NPL sites identified within 1.0 mile of the subject property.

Comprehensive Environmental Response Compensation & Liability Information System (CERCLIS)

The subject property is not listed on the USEPA CERCLIS list, which details proposed and existing federal Superfund sites, or on the CERCLIS No Further Remedial Action Planned (NFRAP) list.

There were no CERCLIS NFRAP sites located within 0.5 mile of the subject property.

State Hazardous Waste Sites (SHWS)

The subject property is not listed with NYSDEC as an inactive hazardous waste disposal site (SHWS). No SHWS or delisted SHWS were identified within 1.0 mile of the subject property.

Hazardous Substance Waste Disposal Site Inventory (HSWDS)

The subject property is not listed on New York State HSWDS Inventory. No HSWDS were identified within 0.5 mile of the subject property.

4.2 Hazardous Waste Treatment, Storage, or Disposal - RCRA TSD and RCRA CA

RCRA Treatment Storage Disposal (TSD)

Neither the subject property nor properties within 0.5 mile of the subject property are registered with state or federal agencies for treatment, storage, or disposal of hazardous materials.

RCRA Corrective Action Sites (CORRACTS)

The subject property is not listed with the USEPA RCRA Corrective Action program, which lists those facilities permitted by the USEPA for treatment, storage, or disposal of hazardous waste which have conducted or are currently conducting a corrective action as regulated under the Resource Conservation and Recovery Act. There were no CORRACTS facilities identified within 1.0 mile of the subject property.

4.3 Hazardous Waste Generation - RCRA SQG and LQG

The subject property is not listed with the USEPA as a Large Quantity Generator (LQG) or Small Quantity Generator (SQG) of hazardous waste. No LQGs were identified within 0.125 mile of the subject property. One SQG was identified within 0.125 mile of the subject property:

- Public School 29 – Melrose School, located at 758 Cortland Avenue, 935 feet southwest of the subject property. No violations are listed for the site.

Non-generators are sites that do not presently generate hazardous waste. The subject property, under the name of Yankee Storage (an MTA Transit site), is listed as a non-generator. No violations are listed for the site.

Ten non-generators were identified within 0.125 mile of the subject property. No violations were listed from any of these sites. Further information on these facilities can be reviewed in Appendix C.

4.4 State Permitted Landfills (LF)/Solid Waste Disposal Sites (SWF)

The subject property is not listed with NYSDEC as a solid waste facility (SWF) or landfill (LF). One property within 0.5 mile of the subject property was listed with NYSDEC as a SWF/LF:

- Last Chance Auto Sales Corp, located at 992 Brook Avenue, 1,259 feet northeast of the subject property, is listed as an active vehicle dismantling facility.

4.5 Petroleum Bulk Storage – PBS

The subject property is not listed with NYSDEC as a PBS facility. Several PBS facilities were identified within 0.125 mile of the subject property: 13 UST facilities and 19 AST facilities. Details of these facilities can be reviewed in Appendix C.

4.6 Petroleum and Hazardous Material Releases - ERNS, SPILLS, LRST

Emergency Response Notification System (ERNS)

The subject property is not listed within the USEPA Emergency Response Notification System (ERNS), which stores information reported to the USEPA on sudden and/or accidental releases of hazardous substances to the environment.

NYSDEC Spills Database (SPILLS)

The subject property is not listed on the NYSDEC database of petroleum spills. Thirty spills were identified within 0.125 mile of the subject property. Open spill files are discussed below. Additional details of these and the other SPILLS sites can be reviewed in Appendix C.

NYSDEC Spill #9702829, located at 862 Cortland Avenue East, 25 feet southwest of the subject property, occurred on June 5, 1997 when a drum of diesel oil was knocked over at 364 East 161st Street, spilling into a nearby storm sewer by 862 Cortland Avenue. The responsible party was required to clean up the spill. NYSDEC has not yet closed the spill file.

NYSDEC Spill #0609002, located at a former gas station on 364 East 161st Street, 266 feet southeast of the subject property, occurred on November 6, 2006 when contamination was discovered during a subsurface investigation. NYSDEC has not yet closed the spill file.

NYSDEC Spill #0413071, located at Prieto Gas Station at 871 Melrose Avenue, 513 feet southeast of the subject property, occurred on March 15, 2005 when piping was discovered to be leaking. The line was replaced and tested tight and the spill was closed. When contamination was encountered at an adjacent property, this spill number was reopened. During excavation, product was encountered to be moving from the gas station to the adjacent site through a retaining wall. Free product has been encountered on the water table. NYSDEC has not yet closed the spill file.

NYSDEC Spill #9401207, located at 895 Melrose Avenue, 515 feet southeast of the subject property, occurred on April 25, 1994 when a subsurface investigation, initiated after tank test failures, revealed contamination. Free product (gasoline) was encountered on the water table. Groundwater flows to the northeast at the site. Tanks were removed and contaminated soil excavated. A stipulation agreement was signed and a product recovery system was installed in 1995. Several monitoring wells have been installed. The site was accepted into the Brownfield Cleanup Program in 2007. NYSDEC has not yet closed the spill file.

NYSDEC Spill #0208038 could not be located by EDR or Conrad Geoscience, but based on limited information about the spill, the spill may have occurred within 0.125 mile of the subject property. The spill was closed by NYSDEC on April 29, 2003.

NYSDEC Leaking Registered Storage Tanks (LTANKS)

The subject property is not listed on the NYSDEC database of leaking registered storage tanks (LTANKS). Seventy-two LTANKS within 0.5 mile of the subject property are on file with NYSDEC. Open spill files are discussed below. Additional details can be reviewed in Appendix C.

NYSDEC Spill #9413679, located at Morrisania Air Rights, located at 3145 Park Avenue, 58 feet southwest of the subject property, occurred on January 13, 1995 when a #4 fuel oil tank failed a tightness test. NYSDEC has not yet closed the spill file.

NYSDEC Spill #9500770, located at Jackson Houses on 300 East 158th Street, 517 feet southwest of the subject property, occurred on April 19, 1995 when a #2 fuel oil tank failed a tightness test. NYSDEC has not yet closed the spill file.

NYSDEC Spill #0801695, located at St. Angela Merici at 917 Moris Avenue, 829 feet northwest of the subject property, occurred on May 9, 2008 when a #2 fuel oil tank failed a tightness test. NYSDEC has not yet closed the spill file.

NYSDEC Spill #0207044, located at 304 East 156th Street, 1,171 feet southwest of the subject property, occurred on October 8, 2002 when contaminated soil was encountered during the removal of a 20,000 gallon #2 fuel oil UST. NYSDEC has not yet closed the spill file.

NYSDEC Spill #0011362, located at an apartment building on 1020 Grand Concourse, 2,328 feet northwest of the subject property, occurred on January 18, 2001 when a #6 fuel oil tank was discovered to be leaking onto the basement floor. The tanks were taken out of service but NYSDEC has not yet received a tank closure report. NYSDEC has not yet closed the spill file.

NYSDEC Spill #8801261, located at 364 East 161st Street, 266 feet southeast of the subject property, occurred on May 10, 1988 when a gasoline tank failed a tightness test. NYSDEC has not yet closed the spill file.

NYSDEC Spill #9501419, located at Claremont Rehabilitation at 1020 College Avenue, 1,507 feet north of the subject property, occurred on May 3, 1995 when a #2 fuel oil tank failed a tightness test. NYSDEC has not yet closed the spill file.

NYSDEC Spill #0109786, located at Bronxchester-NYCHA at 510 East 156th Street, 1,983 feet southeast of the subject property, occurred on January 9, 2002 when contaminated soil was encountered during the removal of a #2 fuel oil tank. No site assessment was performed and so NYSDEC has not yet closed the spill file.

NYSDEC Spill #9805334, located at Claremont Houses Consolidated at 1100 Teller Avenue, 2,027 feet northeast of the subject property, occurred on July 29, 1998 when a #2 fuel oil tank failed a tightness test. NYSDEC has not yet closed the spill file.

NYSDEC Spill #0800658 was listed as open on the EDR report but after contacting the NYSDEC investigator for the spill, he informed us that the spill had been closed June 12, 2008.

4.7 Brownfield Sites

A Brownfield is any real property where redevelopment or reuse may be complicated by the presence or potential presence of hazardous waste, petroleum, pollutants, or contaminants.

The subject property is not listed with NYSDEC as a Brownfield site. No Brownfield sites were identified within 0.5 mile of the subject property.

4.8 Voluntary Cleanup Program (VCP) Sites

The VCP was established to address the environmental, legal, and financial barriers that hinder redevelopment and reuse of contaminated sites, and to enhance private sector cleanup of Brownfield sites by enabling parties to remediate using private rather than public funds. The subject property is not listed with NYSDEC as a VCP site.

Six VCP sites were identified within 0.5 mile of the subject property. Further information about these sites can be reviewed in Appendix C:

- Courtlandt Corners I, located at 868 Courtlandt Avenue, adjacent to the subject property, entered the Brownfield Cleanup Program in March 2008. The soil is contaminated with petroleum-related VOCs, SVOCs, heavy metals, and pesticides. Groundwater is contaminated with VOCs and heavy metals. On-site soil vapor contains elevated levels of VOCs.
- Courtlandt Corners II, located at 884 Courtlandt Avenue, 18 feet northeast of the subject property, entered the Brownfield Cleanup Program in March 2008. The soil is contaminated with petroleum-related VOCs, SVOCs, heavy metals, and pesticides. Groundwater is contaminated with VOCs and heavy metals. On-site soil vapor contains elevated levels of VOCs.
- Parkview Commons, located at 871 Elton Avenue, 1,006 feet southeast of the subject property, entered the Brownfield Cleanup Program in April 2004. The site has been remediated through excavation, removal, and off-site disposal of hazardous and non-hazardous soil. Institutional and engineering controls have been placed on the property. Further information can be reviewed in Appendix C.
- Cornerstone Site B 1, located at 3100 3rd Avenue, 1,415 feet southeast of the subject property, has applied to enter the Brownfield Cleanup Program. Soil and groundwater are contaminated with SVOCs, metals, and pesticides. Contaminants in soil gas are possibly a concern.
- New Housing New York Legacy Project, located at 700-730 Brook Avenue, 2,116 feet southeast of the subject property, has applied to enter the Brownfield Cleanup Program. Petroleum-related compounds, chlorinated solvents, SVOCs, metals, pesticides, and PCBs are suspected contaminants at the site.
- Former Metro North Property, located at 672 Concourse Village West, 2,162 feet southwest of the subject property, is a member of the Brownfield Cleanup Program. Soil and groundwater are contaminated by VOCs. Remediation has occurred at the site and a draft Site Management Plan has been submitted.

4.9 Engineering Controls, Institutional Controls and Activity and Use Limitations

Conrad Geoscience identified no engineering controls, institutional controls or AULs in association with the subject property.

4.10 Environmental Liens

Conrad Geoscience identified no environmental liens in association with the subject property. The environmental liens report is provided in Appendix C.

4.11 Other Conditions of Concern

A manifest is a document that lists and tracks hazardous waste from the generator, through transporters, to a TSD facility. A manifest indicates that hazardous wastes have been properly transported from a site and disposed of in accordance with state and federal regulations. There was one manifest associated with the subject property: Yankee Storage (an MTA Transit site), located at the subject property, EPA generator ID #NYR000069187, generated and subsequently removed lead-contaminated material in 1999.

5.0 Physical Setting Analysis

The physical setting of the subject property was evaluated by consulting regional bedrock geology maps, topographic maps, and information pertaining to regional hydrogeology. Following, is a summary of this review.

5.1 7.5 Minute USGS Topographic Map

According to the Central Park, New York, USGS topographic map, the subject property is approximately 41 feet above mean sea level.

5.2 Bedrock Geology

According to the Lower Hudson Sheet of the Geologic Map of New York and USGS data, bedrock underlying the subject property is the Inwood Marble, consisting of dolomitic marble, calc-schist, granulite and quartzite, overlain by calcitic marble.

5.3 Surficial Geology

According to the Lower Hudson sheet of the Surficial Geologic Map of New York, unconsolidated glacial till, consisting of silty, sandy loam, overlies bedrock.

5.4 Regional Hydrogeology

Based on site topography, groundwater on-site is presumed to flow in a southerly direction toward the East River/Long Island Sound.

Based on USGS well data, the estimated depth to the first water-bearing zone is 25 feet.

6.0 Property History

The history of the subject property and surrounding area was researched through a review of readily ascertainable standard historical sources. These sources may include current and past owners, property records, recorded land title records, property tax files, building department records and/or zoning & land use records. This review was conducted in order to identify those uses that are likely to have led to recognized environmental conditions. Following, is a summary of these findings. Documentation pertaining to the aforementioned records review is on file with Conrad Geoscience, and references are in Appendix G.

6.1 General Property History and Use

According to Sanborn Maps, the city directory, aerial photographs, topographic maps, and certificates of occupancy, the following is a history of the use of the subject property:

From at least 1891 to the early 1900s, several residences or small stores occupied the subject property. Small stores and/or residences existed on the subject property until 1969.

By 1949, a large building had been built in the southern section of the subject property and was being used as a ceramics facility. In 1951, a medium-sized building was located on the northeastern section of the property and contained furniture storage. This building was later an auto repair facility in 1969. In 1970, the property became vacant except for the large, former ceramics building in the southern section. Other occupants of the subject property included the American Bible Society circa 1956-1961; Astro Carriers, Inc. circa 1971. From 1964 to at least 1996, the large building was a public parking garage. The top floor of the garage was a grocery store by 1983 to at least 2005. The database search reported that NYC Transit Authority Yankee Storage operated on the subject property in 1999. Within the last couple of years, the subject property became completely vacant and the building was demolished in April of 2006, and has remained vacant since.

There was no indication in the records review as to the historical sources of heat or fuel used on the subject property. It is likely that the property utilized coal in the first half of the nineteenth century, and was served by natural gas in the latter half of the century. It is possible that heating oil tanks may have been used in the residential homes and waste oil tanks may have been used in the automotive repair facility, but no evidence was presented to support that possibility. Previous site inspections by Conrad Geoscience personnel indicated the presence of a sub-grade cellar in the southwest corner with brick-lined walls that were stained black; the cellar may have been used to store coal. However, during the January 8, 2009 site inspection, the cellar was found to be filled in by gravel and rubble.

6.2 Property Ownership

The subject property is currently owned by 3160 Park Ave LLC. Property ownership history was researched through the NYC.gov planning department website. Previous property owners and the approximate date of purchase are listed below:

Owner/Tenant	Approximate Date of Purchase
T & L Realty Corp.	Unknown
3160 Park Ave LLC	3/4/1999

6.3 Historical Topographic Maps

Conrad Geoscience reviewed historical USGS topographic maps from 1897, 1947, 1966, 1979 and 1995. The maps are attached in Appendix C. Due to the density of structures and/or the resolution of the map, no structures are indicated on the subject property in any of the maps. A railroad yard is located near the subject property, to the west, in all of the maps. No evidence of any recognized environmental conditions was observed during review of these documents.

6.4 Aerial Photographs

Conrad Geoscience reviewed aerial photographs from 1954, 1966, 1975, 1984, 1994, and 2006. The scale on the photos is approximately 1":750'. The subject property appears to have multiple buildings on it in the 1954, 1966 and 1975 photos. The resolution of the 1984 photograph is too low to distinguish the subject property. The 1994 photo shows only one building on the subject property, occupying the southern section of the lot. The 2006 photograph shows the property to be vacant. The aerial photos are attached in Appendix C.

6.5 Sanborn Fire Insurance Maps

Sanborn Fire Insurance maps from 1891, 1909, 1951, 1969, 1970, 1977, 1978, 1979, 1980, 1981, 1984, 1989, 1991, 1992, 1993, 1995, and 1996 were provided in the EDR report and are attached in Appendix C. Below is a discussion of the changes to the subject property and pertinent changes in surrounding properties:

1891- The subject property contains several un-labeled buildings.

1909- Small stores and residences are located on the subject property, including a "steam laundry" service.

1951- The subject property contains a large building labeled Zapun Ceramics Inc. in the southern section. The northeastern section of the subject property contains a two-story building with "Express Depot" on one level and furniture storage on the other level. Stores and residences occupy other sections of the subject property. The adjacent block to the south is an auto repair facility near the intersection of Park Avenue and East 160th Street. The adjacent block to the east contains a gasoline filling station.

1969- The ceramics building on the subject property is labeled as a garage. An auto repair facility is located on the northeastern section of the subject property. Stores,

residences, and storage buildings are also located on other lots of the subject property. The adjacent auto repair facility is still located to the south. A different filling station is located in the adjacent block to the east.

1970- The subject property only contains one large building in the southern section (the garage). The rest of the property is vacant. The adjacent auto repair facility and filling station are still present.

1977- The garage building is still located in the southern section of the subject property in addition to the auto repair facility in the northeastern section. The rest of the property is vacant. This is believed to be a misprint, as the 1978 map is identical to the 1970 map, where the lots are vacant. The auto repair facility is still on the adjacent southern block; the filling station is still on the adjacent eastern block.

1978-81- The garage building is the only structure on the subject property. The adjacent auto repair facility and gas station are still present.

1984- Same as the 1981 map except the garage is now labeled as a parking building and the vacant land is now a parking lot.

1989, '91-'93, '95-'96- Same as the 1984 map except the adjacent auto repair facility is no longer present.

6.6 City Directory Abstract

The city directory abstract lists telephone company records of past occupants and businesses of an address by years, and is reviewed to determine if past occupants and businesses of the subject property and adjacent properties may have led to recognized environmental conditions.

The subject property, as 3160 Park Avenue, is listed as the Village Superette and Associated Foods, Inc. (grocery stores) in the 1983, 1993, 2000, and 2005 directory. In 1983 an Espresso Café is listed at the site. Also in 2005 the subject property is listed as parking lots.

The subject property, as 3162 Park Avenue, is listed as a chinaware building in 1949. In 1956 and 1961 it was the American Bible Society. In 1971 it was Astro Carriers Inc. and in 1983 it was "Discounts."

Surrounding property listings, starting in 1927, were historically residential and commercial/retail. 3157 Park Avenue is listed as an auto repair facility and gas station in 1940. The directory lists this address as an auto repair facility in 1949, 1956, 1961, 1965 and 1971. This address is not listed in the directory after 1971, and during a July 24, 2006 site inspection, Conrad Geoscience observed that this address is currently a residence. There are no other pertinent listings for the adjacent properties. The city directory abstract is attached in Appendix C.

7.0 Site Inspection and Interviews

Conrad Geoscience personnel inspected the subject property on January 8, 2009. The lot was predominantly covered by vegetation on the date of the site inspection.

7.1 General Site Observations

The subject property is accessed from East 161st Street via a gate in the chain-link fence surrounding the property. The semi-rectangular property is covered by low vegetation and is partially paved along the northern side of the property.

No structures are currently present. The building that occupied the southern portion of the property was demolished in 2006, and on the date of the site inspection, none of the structure remained except for small quantities of brick. A sub-grade cellar identified in previous site inspections was currently filled to a depth within 4 inches of the current land surface.

Building materials such as lumber and metal beams were staged on the property, presumably for future construction on the site. Two excavators were also staged on-site. A sign outside the property indicated that the planned construction includes a retail building and car parking. Unregulated solid waste debris and trash was present throughout the property from dumping by local residents.

7.2 Hazardous and Regulated Substances

Conrad Geoscience did not observe hazardous or regulated substances on the date of the site inspection.

7.3 Storage Tanks

No storage tanks were identified on the subject property.

7.4 Polychlorinated Biphenyls (PCBs)

Conrad Geoscience identified no potential sources of PCBs at this site.

7.5 Solid Waste

Household rubbish and debris are scattered across the site.

7.6 Septic System

The subject property does not utilize a septic system.

7.7 Odors

No odors were observed during the site inspection.

7.8 Pools of Liquid

No pools of liquid were observed during the site inspection.

7.9 Drums

No drums were observed on the subject property during the site inspection.

7.10 Petroleum Products Containers

No petroleum products containers were observed on the subject property during the site inspection.

7.11 Unidentified Substance Containers

No containers of unidentified substances were observed during the site inspection.

7.12 Pits, Ponds, or Lagoons

No pits, ponds, or lagoons were observed during the site inspection.

7.13 Stained Soil or Pavement

No stained soil or pavement was observed on the subject property.

7.14 Stressed Vegetation

No stressed vegetation was observed during the site inspection.

7.15 Waste Water

No waste water was observed during the site inspection.

7.16 Wells

No wells were observed on the subject property during the site inspection.

7.17 Other Conditions of Concern

No other conditions of concern exist at this site that have not been previously discussed.

7.18 Interviews

On October 2, 2008, Conrad Geoscience personnel interviewed Mr. Obligato of NYSDEC, the investigator of Spill #9702829. He informed us that the spill originated at 354 East 161st Street and then traveled on the surface to 862 Cortlandt Avenue.

On October 2, 2008, Conrad Geoscience personnel attempted to interview Mr. Piper of NYSDEC, the investigator of Spill #0609002. He was not reached.

On October 3, 2008, Conrad Geoscience personnel interviewed Mr. Tibbe of NYSDEC, the investigator of Spill #0413071. He informed us that there is ongoing remediation at the spill site.

On October 2, 2008, Conrad Geoscience personnel interviewed Ms. Feng of NYSDEC, the investigator of Spill #9401207. She informed us that since the site had been accepted into the Brownfield Cleanup Program, she was no longer managing the project. She informed us that Ms. Dana Kaplan was in charge of the site in the BCP. On October 2, 2008, Conrad Geoscience attempted to interview Ms. Kaplan; she could not be reached.

On October 2, 2008, Conrad Geoscience personnel attempted to interview Ms. Kann of NYSDEC, the investigator of Spills #9413679, #9500770, #0207044, and #0109786. She could not be reached.

On October 2, 2008, Conrad Geoscience personnel interviewed Mr. Falvey of NYSDEC, the investigator of Spills #0801695 and #0800658. He had no further information regarding Spill #0801695. He informed us that Spill #0800658, while listed as open on the EDR report, was closed on June 12, 2008.

On October 2, 2008, Conrad Geoscience personnel interviewed Mr. Rahman, the investigator of Spill #0011362. He informed us that the spill had not been closed because NYSDEC has not received any reports on the cleanup.

On October 2, 2008, Conrad Geoscience personnel interviewed a staff member in the NYSDEC Spills Department. He informed us that D. Smith, the investigator of Spill #8801261, no longer worked at the Department. He also informed us that Mr. Tang, the investigator of Spills #9501419 and #9805334, no longer worked in his department.

Conrad Geoscience personnel conducted an interview with Zev Wegner. Mr. Wegner provided information pertaining to the location and address of the subject property.

8.0 Findings and Conclusions

Conrad Geoscience personnel have conducted a Phase I Environmental Site Assessment in conformance with ASTM Standard E-1527-05 of the property at 3160 Park Avenue, Borough of the Bronx, Bronx County, New York (the subject property). Any exceptions to, or deletions from, this practice are described in Section 2 of this report. This assessment has revealed no evidence of *recognized environmental conditions* in connection with the property except for the following:

1. Several spills are located near the subject property that have not been closed by NYSDEC. In addition, adjacent to the subject property are two Brownfield Cleanup Program sites that recently entered the program.
2. Past operations on the subject property include a ceramics manufacturing facility and an automotive repair facility. The layout and configuration of the ceramics manufacturing facility is unknown. Sub-grade structures such as a basement or other manufacturing components could be present. Although we have observed no evidence that hazardous or regulated substances were spilled or discharged as a result of these operations, such spillage or discharge cannot be ruled out. Discharge of hazardous or regulated substances from such operations can affect soil and groundwater, and, therefore, such historical uses represent a recognized environmental condition. In addition, the site operated a NYC Transit Authority facility, which generated more than 11,000 pounds of lead-contaminated waste in 1999, which was reportedly disposed of off-site.
3. Several properties in the immediate vicinity of the site are listed with regulatory agencies as the location of a release of hazardous or regulated substances, or undergoing a remedial effort. Contaminated soil and groundwater at these locations has the potential to create vapors which can accumulate in the subsurface beneath building foundations. This condition can adversely impact indoor air quality and result in a health hazard to building occupants. No structures currently exist at this location, however, any future construction should be designed to include vapor barriers or sub-slab venting systems to mitigate this potential condition.

Additional investigations would be necessary to quantify the potential for subsurface vapors to impact the subject property.

Appendix E



One Civic Center Plaza
 Suite 501
 Poughkeepsie, New York
 (845) 454-2544

SOIL BORING LOG

BOREHOLE NO.: **SB-2**

TOTAL DEPTH: **17.5'**

PROJECT INFORMATION

PROJECT #: **560944**
 SITE LOCATION: **3160 Park Ave.**
 LOGGED BY: **Conor Tarbell**
 PROJECT MANAGER: **Christopher Brown**
 DATES DRILLED: **10/09/2014**

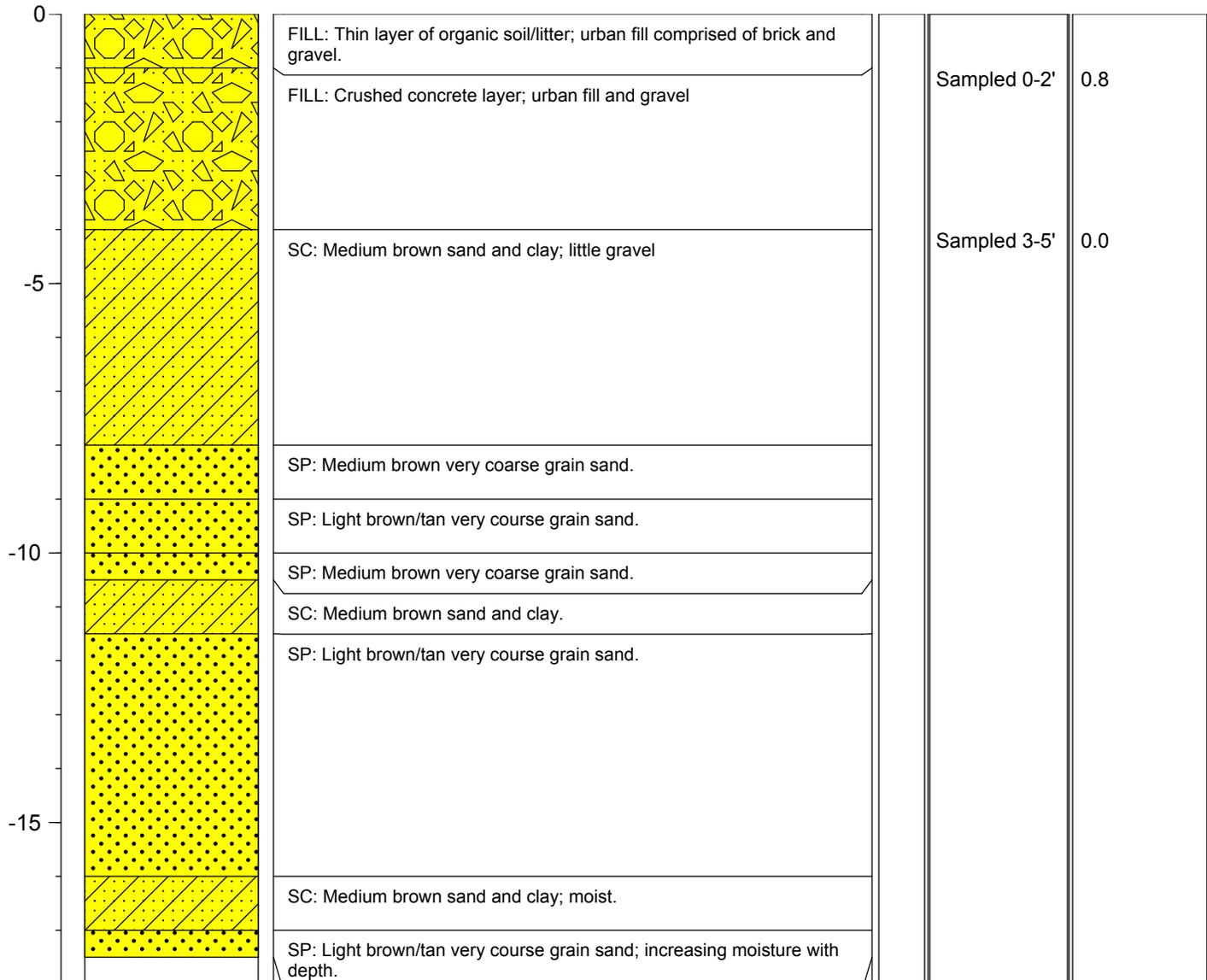
DRILLING INFORMATION

DRILLING CO.: **JC Broderick**
 RIG TYPE: **Geoprobe 7720**
 METHOD OF DRILLING: **Direct Push**
 SAMPLING METHODS: **5' Macro Core**
 HAMMER WT./DROP **N/A**
 DEPTH TO WATER **NA**

NOTES:
Refusal at 17.5'

☞ Water level during drilling

DEPTH	SOIL SYMBOLS	SOIL DESCRIPTION	Sample Depth	PID (ppm)
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One Civic Center Plaza
 Suite 501
 Poughkeepsie, New York
 (845) 454-2544

SOIL BORING LOG

BOREHOLE NO.: **SB-4**

TOTAL DEPTH: **20'**

PROJECT INFORMATION

PROJECT #: **560944**
 SITE LOCATION: **3160 Park Avenue, Bronx**
 LOGGED BY: **Conor Tarbell**
 PROJECT MANAGER: **Christopher Brown**
 DATES DRILLED: **10/14/2014**

DRILLING INFORMATION

DRILLING CO.: **JC Broderick**
 RIG TYPE: **Geoprobe 7720**
 METHOD OF DRILLING: **Direct Push**
 SAMPLING METHODS: **5' Macro Core**
 HAMMER WT./DROP **N/A**
 DEPTH TO WATER **NA**

NOTES:
70 degrees F

☞ Water level during drilling

DEPTH	SOIL SYMBOLS	SOIL DESCRIPTION	Sample Depth	PID (ppm)
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0		SW: Brown/gray sand; varying grain size; some gravel; crushed brick and concrete throughout.	Sampled from between 0-2'	1.4
-5		SM: Brown sand and silty clay; trace gravel.		
-10		SP: Brown coarse grain sand; little silt.	Sampled from between 10-12'	0.0
-15		SM: Brown sand and gravel; trace silt; brick fragments throughout.		
-20		SP: Brown coarse grain sand.		



One Civic Center Plaza
 Suite 501
 Poughkeepsie, New York
 (845) 454-2544

SOIL BORING LOG

BOREHOLE NO.: **SB-3**

TOTAL DEPTH: **20'**

PROJECT INFORMATION

PROJECT #: **560944**
 SITE LOCATION: **3160 Park Ave.**
 LOGGED BY: **Conor Tarbell**
 PROJECT MANAGER: **Christopher Brown**
 DATES DRILLED: **10/09/2014**

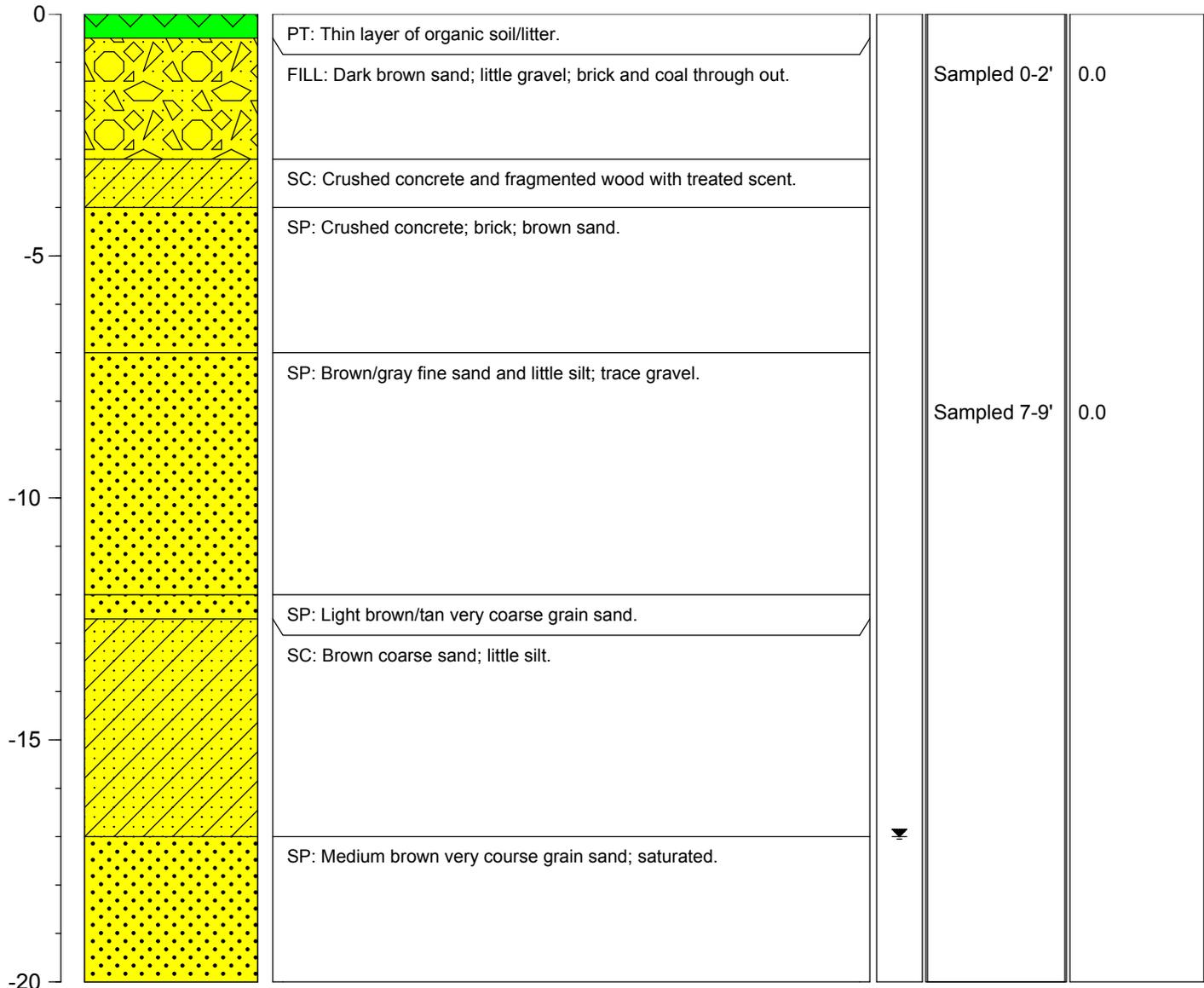
DRILLING INFORMATION

DRILLING CO.: **JC Broderick**
 RIG TYPE: **Geoprobe 7720**
 METHOD OF DRILLING: **Direct Push**
 SAMPLING METHODS: **5' Macro Core**
 HAMMER WT./DROP **NA**
 DEPTH TO WATER **17'**

NOTES:
Refusal at 20'

☒ Water level during drilling

DEPTH	SOIL SYMBOLS	SOIL DESCRIPTION	Sample Depth	PID (ppm)
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One Civic Center Plaza
 Suite 501
 Poughkeepsie, New York
 (845) 454-2544

SOIL BORING LOG

BOREHOLE NO.: **SB-5**

TOTAL DEPTH: **25'**

PROJECT INFORMATION

PROJECT #: **560944**
 SITE LOCATION: **3160 Park Avenue, Bronx**
 LOGGED BY: **Conor Tarbell**
 PROJECT MANAGER: **Christopher Brown**
 DATES DRILLED: **10/14/2014**

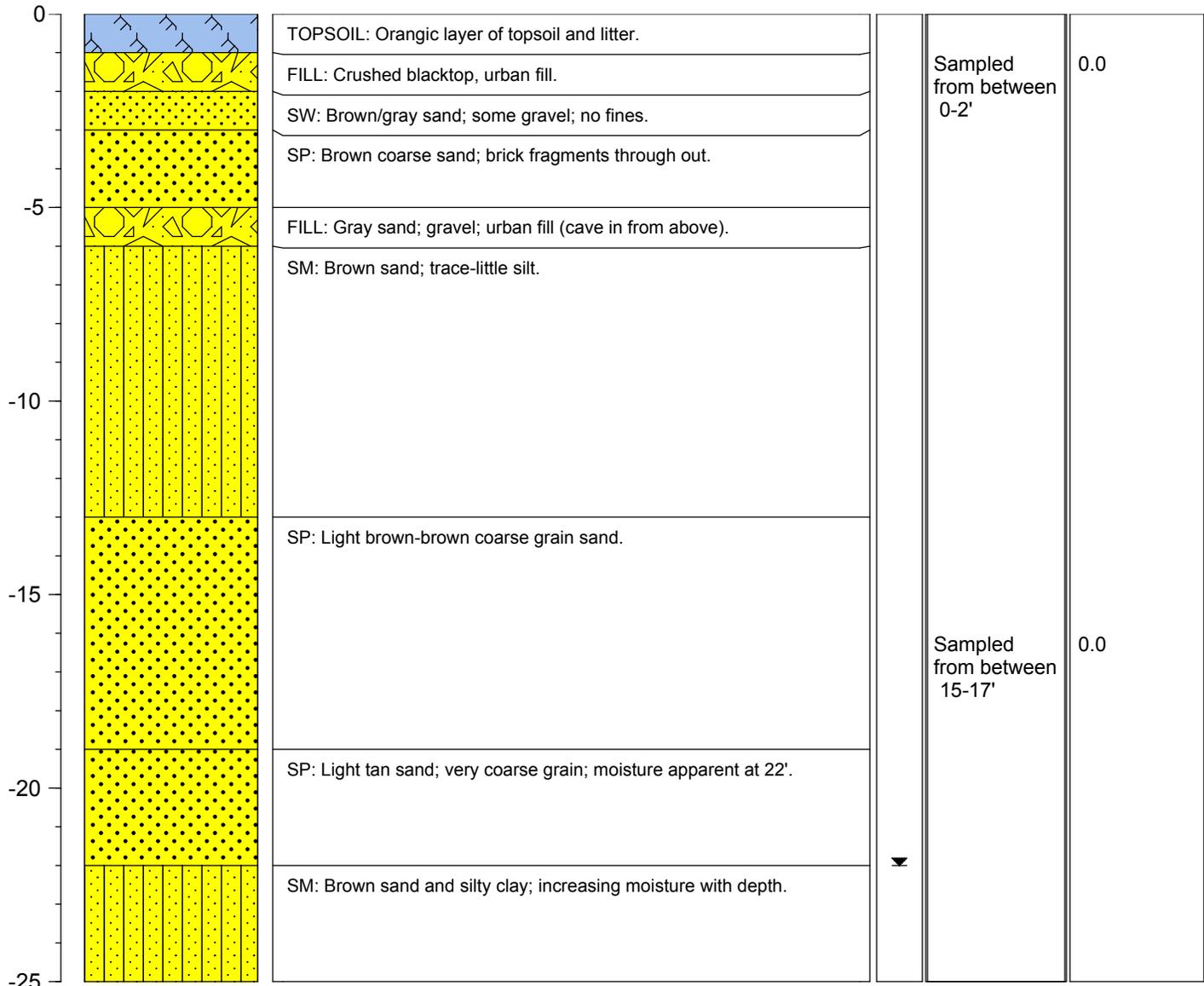
DRILLING INFORMATION

DRILLING CO.: **JC Broderick**
 RIG TYPE: **Geoprobe 7720**
 METHOD OF DRILLING: **Direct Push**
 SAMPLING METHODS: **5' Macro Core**
 HAMMER WT./DROP **N/A**
 DEPTH TO WATER **22'**

NOTES:
65 degrees F

☒ Water level during drilling

DEPTH	SOIL SYMBOLS	SOIL DESCRIPTION	Sample Depth	PID (ppm)
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One Civic Center Plaza
 Suite 501
 Poughkeepsie, New York
 (845) 454-2544

SOIL BORING LOG

BOREHOLE NO.: **SB-6**

TOTAL DEPTH: **19'**

PROJECT INFORMATION

PROJECT #: **560944**
 SITE LOCATION: **3160 Park Avenue, Bronx**
 LOGGED BY: **Conor Tarbell**
 PROJECT MANAGER: **Christopher Brown**
 DATES DRILLED: **10/14/2014**

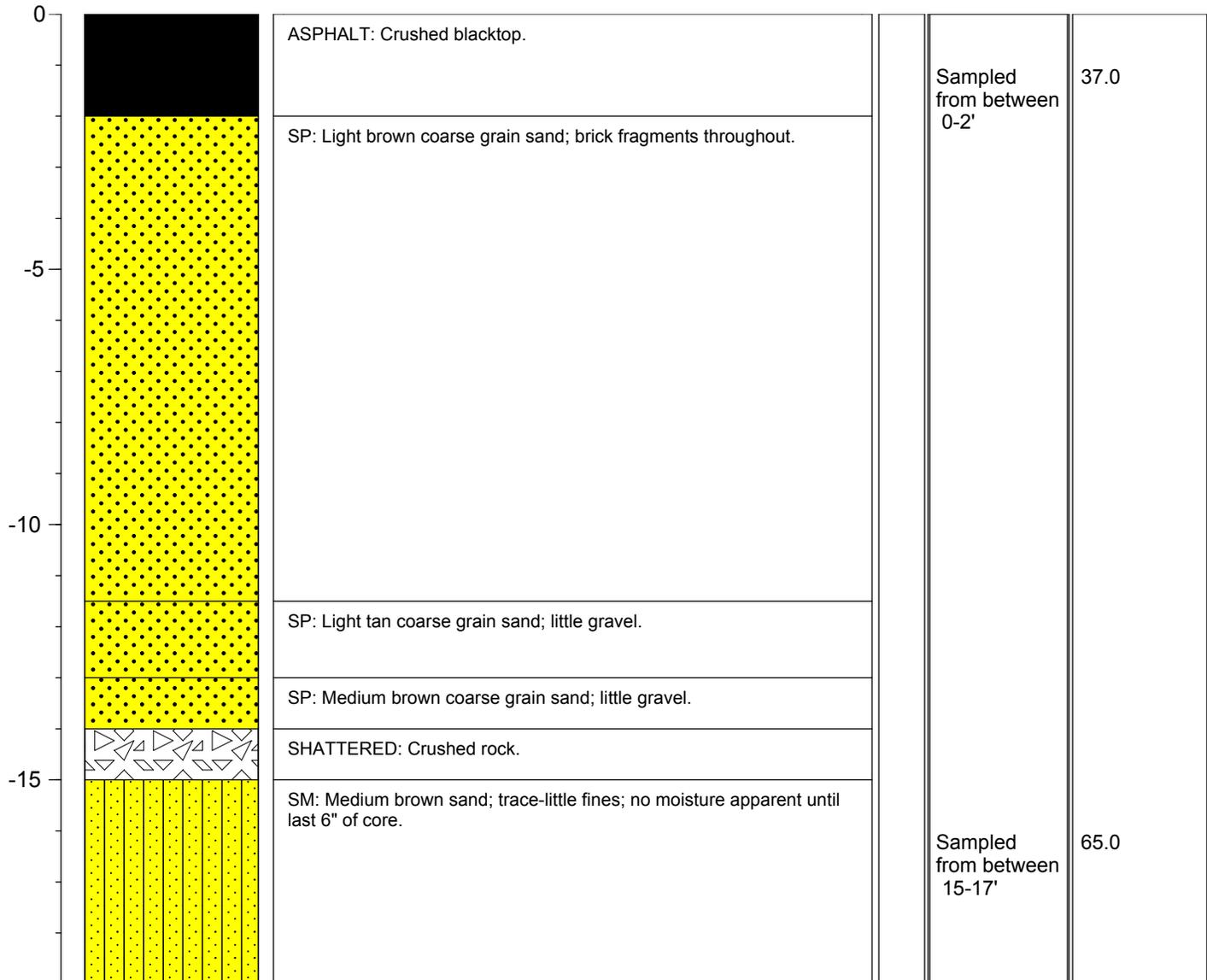
DRILLING INFORMATION

DRILLING CO.: **JC Broderick**
 RIG TYPE: **Geoprobe 7720**
 METHOD OF DRILLING: **Direct Push**
 SAMPLING METHODS: **5' Macro Core**
 HAMMER WT./DROP **N/A**
 DEPTH TO WATER **NA**

NOTES:
70 degrees F

☞ Water level during drilling

DEPTH	SOIL SYMBOLS	SOIL DESCRIPTION	Sample Depth	PID (ppm)
-------	--------------	------------------	--------------	-----------



Appendix F

VAPOR SAMPLING LOG

Project Name/Address: 3160 Park Avenue, Bronx, NY PVE Sheffler Project #: 560944

Sampler(s): Conor Tarbell Weather: 70 Degrees, Overcast

NOTES: _____

KEY

Location Type:

(A) Sub-slab

(B) Soil vapor probe, pre-fabricated (Product: _____)

(C) Soil vapor probe, field constructed (Describe: 1/4" ID tubing placed to desired depth and incased in 1" Sched. 40 PVC piping to grade. NYSDOH specified amounts of sand filter and bentonite seal applied.)

Sampling Method:

(A) 1-L summa canister

(B) 6-L summa canister

(C) Other: _____

Purge Method:

(A) Peristaltic pump set to a flow rate ≤ 0.2 L/min

(B) PID set to a flow rate ≤ 0.2 L/min

(C) Other: _____

Apparent Moisture Content of Sampling Zone:

(A) Dry

(B) Moist

(C) Saturated

Sample ID	Location Type	Apparent Moisture	Sample Depth	Sampling Method	Purge Method	Purge Volume	Sample Start Date/Time	Sample End Date/Time	Canister start vacuum	Canister end vacuum
SV-1	C	A	22.5'	B	A	1-3 TUBING VOLUMES	10/15/2014 10:44 AM	10/15/2014 13:10 PM	30"	4"
SV-8	C	A	20'	B	A	1-3 TUBING VOLUMES	10/15/2014 10:35 AM	10/15/2014 12:45 PM	29"	5"
SV-5	C	A	20'	B	A	1-3 TUBING VOLUMES	10/15/2014 10:30 AM	10/15/2014 12:30 PM	29"	3"
SV-4	C	A	20'	B	A	1-3 TUBING VOLUMES	10/15/2014 10:18 AM	10/15/2014 12:29 PM	29"	3"
SV-6	C	A	18.5'	B	A	1-3 TUBING VOLUMES	10/15/2014 10:05 AM	10/15/2014 12:53 PM	30"	5"

Analytical Laboratory: York Analytical Lab Date Shipped to Lab: 10/16/2014 Delivery Service: FedEx UPS Courier

CALCULATING PURGE TIMES FOR SUB-SLAB VAPOR OR SOIL VAPOR SAMPLES

Sample: SV – 8,5,4

Date: 10/15/2014

Length of tubing (inches) = 240 inches

divide by 12

Length of tubing (ft) = 20 ft

X 0.003 (gal/ft) ←←←←

{ Tubing Inner Diameter	Volume Per Foot (gal/ft) }
{ 1/4"	0.003 }
{ 3/8"	0.006 }
{ 1/8"	0.000637 }

1 volume of tubing = 0.006 gal

To purge at a rate of 0.2 L/min, which is equivalent to 0.0528344 gal/min....

divide by 0.0528344 gal/min

Time to purge 1 vol. of tubing = 1.136 min

X 60

Time to purge 1 vol. of tubing = 68.1 sec

X 3

Time to purge 3 vol. of tubing = 204.4 sec

Actual time purged = 135 sec

CALCULATING PURGE TIMES FOR SUB-SLAB VAPOR OR SOIL VAPOR SAMPLES

Sample: SV - 1

Date: 10/15/2014

Length of tubing (inches) = 270 inches

divide by 12

Length of tubing (ft) = 22.5 ft

{ Tubing Inner Volume Per }

{ Diameter Foot (gal/ft) }

{ 1/4" 0.003 }

{ 3/8" 0.006 }

{ 1/8" 0.000637 }

X 0.003 (gal/ft) ←←←←

1 volume of tubing = 0.0675 gal

To purge at a rate of 0.2 L/min, which is equivalent to 0.0528344 gal/min....

divide by 0.0528344 gal/min

Time to purge 1 vol. of tubing = 1.28 min

X 60

Time to purge 1 vol. of tubing = 76.65 sec

X 3

Time to purge 3 vol. of tubing = 229 sec

Actual time purged = 170 sec

CALCULATING PURGE TIMES FOR SUB-SLAB VAPOR OR SOIL VAPOR SAMPLES

Sample: SV - 6

Date: 10/15/2014

Length of tubing (inches) = 222 inches

divide by 12

Length of tubing (ft) = 18.5 ft

X 0.003 (gal/ft) ←←←←

{ Tubing Inner Diameter }	{ Volume Per Foot (gal/ft) }
{ 1/4" }	{ 0.003 }
{ 3/8" }	{ 0.006 }
{ 1/8" }	{ 0.000637 }

1 volume of tubing = 0.055 gal

To purge at a rate of 0.2 L/min, which is equivalent to 0.0528344 gal/min....

divide by 0.0528344 gal/min

Time to purge 1 vol. of tubing = 1.050 min

X 60

Time to purge 1 vol. of tubing = 63.03 sec

X 3

Time to purge 3 vol. of tubing = 189.1 sec

Actual time purged = 120 sec

VAPOR SAMPLING LOG

Project Name/Address: 3160 Park Avenue, Bronx, New York PVE Sheffler Project #: 560944

Sampler(s): Conor Tarbell & Alan Mason Weather: 60 degrees & Sunny

NOTES: _____

KEY

Location Type:

- (A) Sub-slab
- (B) Soil vapor probe, pre-fabricated (Product: _____)
- (C) Soil vapor probe, field constructed (Describe: _____)

Sampling Method:

- (A) 1-L summa canister
- (B) 6-L summa canister
- (C) Other: _____

Purge Method:

- (A) Peristaltic pump set to a flow rate ≤ 0.2 L/min
- (B) PID set to a flow rate ≤ 0.2 L/min
- (C) Other: _____

Apparent Moisture Content of Sampling Zone:

- (A) Dry
- (B) Moist
- (C) Saturated

Sample ID	Location Type	Apparent Moisture	Sample Depth	Sampling Method	Purge Method	Purge Volume	Sample Start Date/Time	Sample End Date/Time	Canister start vacuum	Canister end vacuum
SV-3	C	A	15'	A	A	Between 1-3 volumes	10/10/2014 0806	10/10/2014 1039	30"	2"
SV-2	C	A	15'	A	A	Between 1-3 volumes	10/10/2014 0820	10/10/2014 1120	30"	5"
SV-7	C	A	15'	A	A	Between 1-3 volumes	10/10/2014 0834	10/10/2014 1142	30"	5"

Analytical Laboratory: York Analytical Lab Date Shipped to Lab: 10/10/2014 Delivery Service: FedEx UPS Courier

CALCULATING PURGE TIMES FOR SUB-SLAB VAPOR OR SOIL VAPOR SAMPLES

Sample: ___SV-2, SV-3, SV-7_____

Date: ___10/10/2014_____

Length of tubing (inches) = ___204___ inches

divide by 12

Length of tubing (ft) = ___15___ ft

X ___0.003_ (gal/ft) ←←←←

{ Tubing Inner	Volume Per	}
{ <u>Diameter</u>	<u>Foot (gal/ft)</u>	}
{ 1/4"	0.003	}
{ 3/8"	0.006	}
{ 1/8"	0.000637	}

1 volume of tubing = ___0.051___ gal

To purge at a rate of 0.2 L/min, which is equivalent to 0.0528344 gal/min....

divide by 0.0528344 gal/min

Time to purge 1 vol. of tubing = ___0.96___ min

X 60

Time to purge 1 vol. of tubing = ___57___ sec

X 3

Time to purge 3 vol. of tubing = ___173___ sec

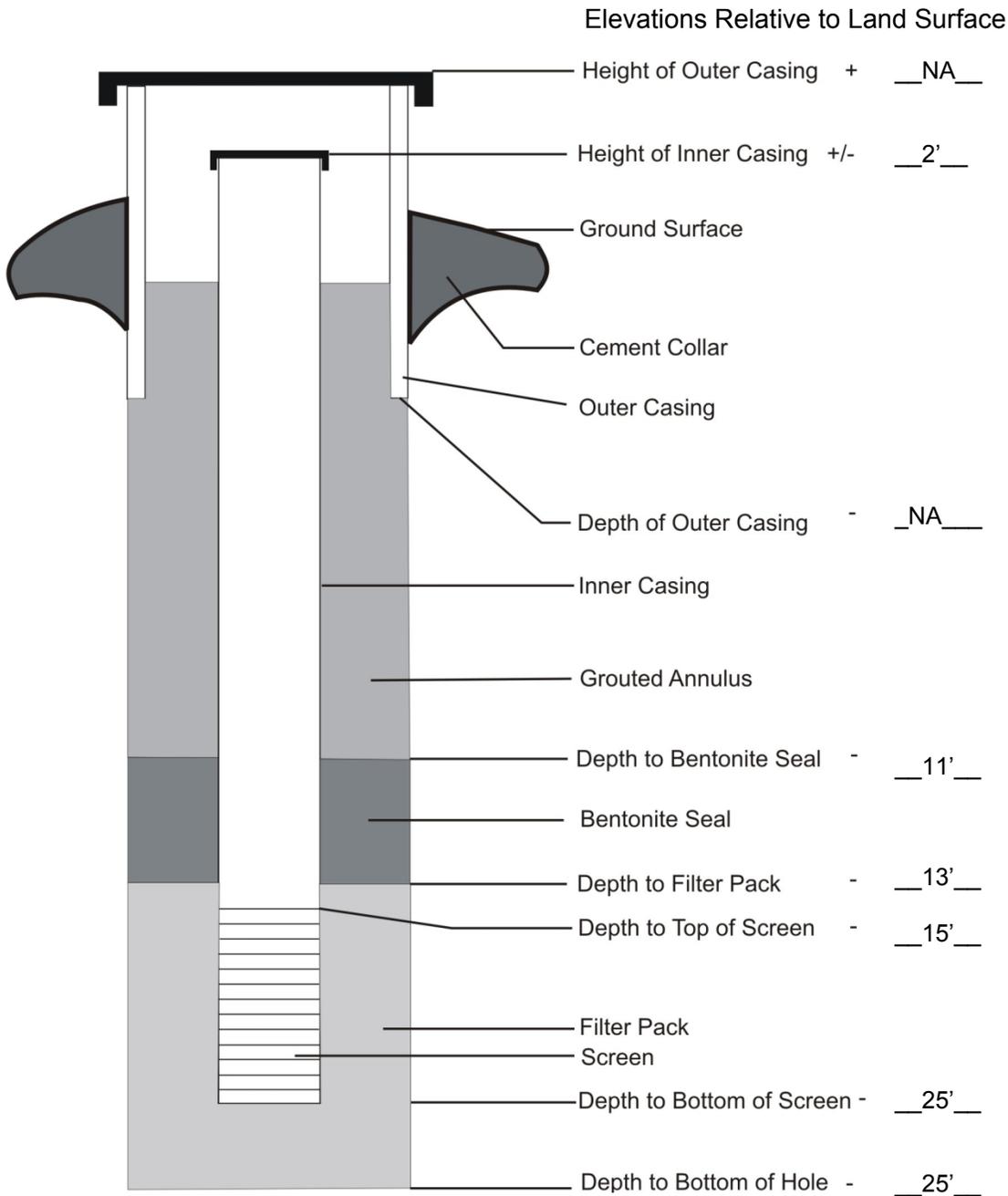
Actual time purged = ___120___ sec

Appendix G

Monitoring Well Construction Diagram

Project #: 560944
 Project Name/Site: 3160 Park Avenue, Bronx, NY
 Well #: MW-1
 Location/Coordinates: _____
 Geologist: Conor Tarbell
 Elevation of Ground Surface: _____
 Notes: _____

Driller: Soiltesting, INC
 Drilling Method: Convention Rig
 Drilling Fluid: _____
 Date Start: 10/16/2014 Date End: 10/16/2014
 Depth of Outer Casing (BLS): NA
 Depth of Inner Casing (BLS): 25'

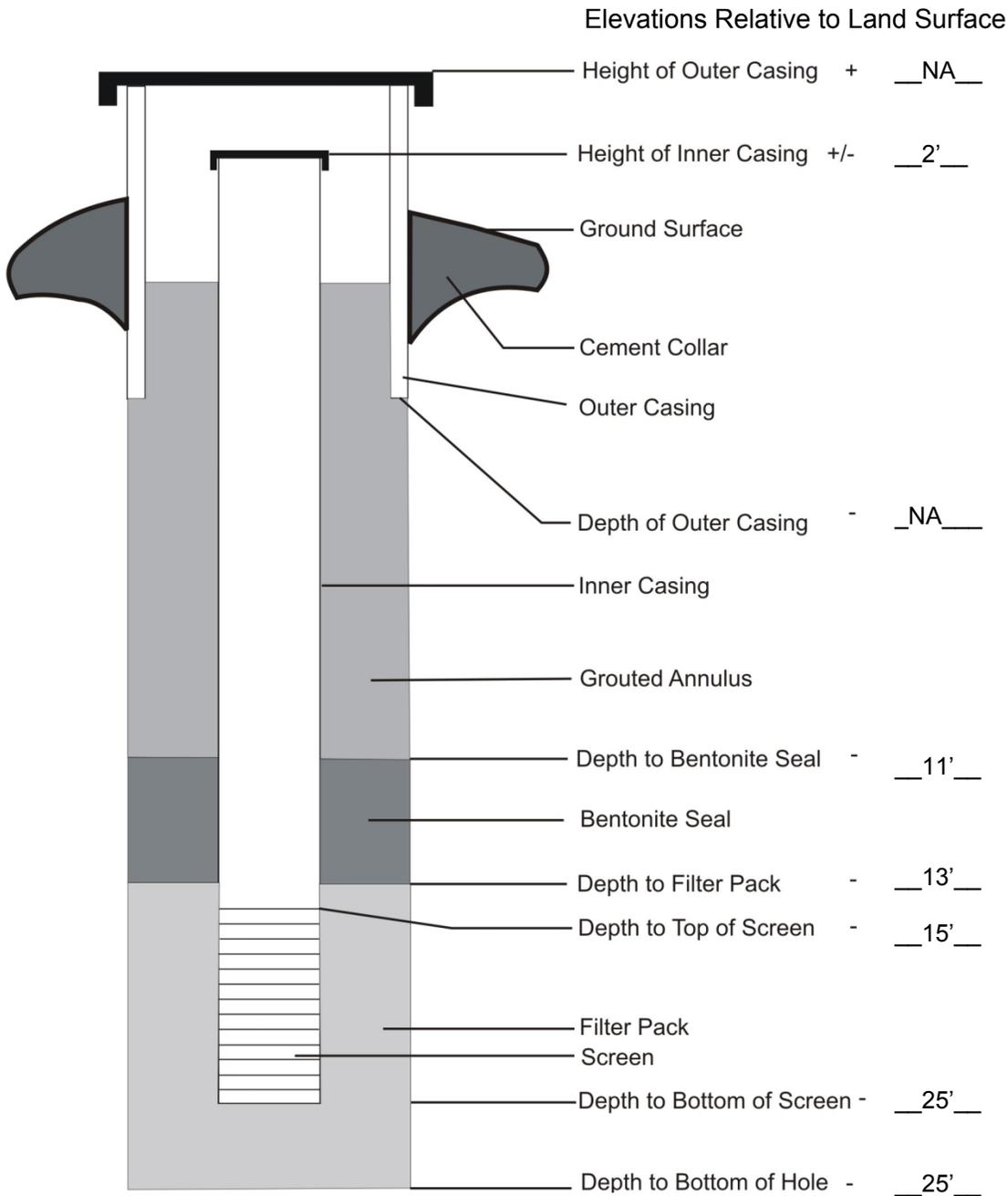


Auger Diameter	4.25"
Borehole Diameter	4.25"
Flush-to-grade Curb Box?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Stick-up Pipe?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Outer Casing Diameter	NA
Outer Casing Material	NA
Inner Casing Diameter	2"
Inner Casing Material	Sched. 40 PVC
Grout Type	Sand
Bentonite Type	Chip
Filter Pack Type	#1 Sand
Screen Type/Slot Size	20 Slot

Monitoring Well Construction Diagram

Project #: 560944
 Project Name/Site: 3160 Park Avenue, Bronx, NY
 Well #: MW-2
 Location/Coordinates: _____
 Geologist: Conor Tarbell
 Elevation of Ground Surface: _____
 Notes: _____

Driller: Soiltesting, INC
 Drilling Method: Convention Rig
 Drilling Fluid: _____
 Date Start: 10/16/2014 Date End: 10/16/2014
 Depth of Outer Casing (BLS): NA
 Depth of Inner Casing (BLS): 25'

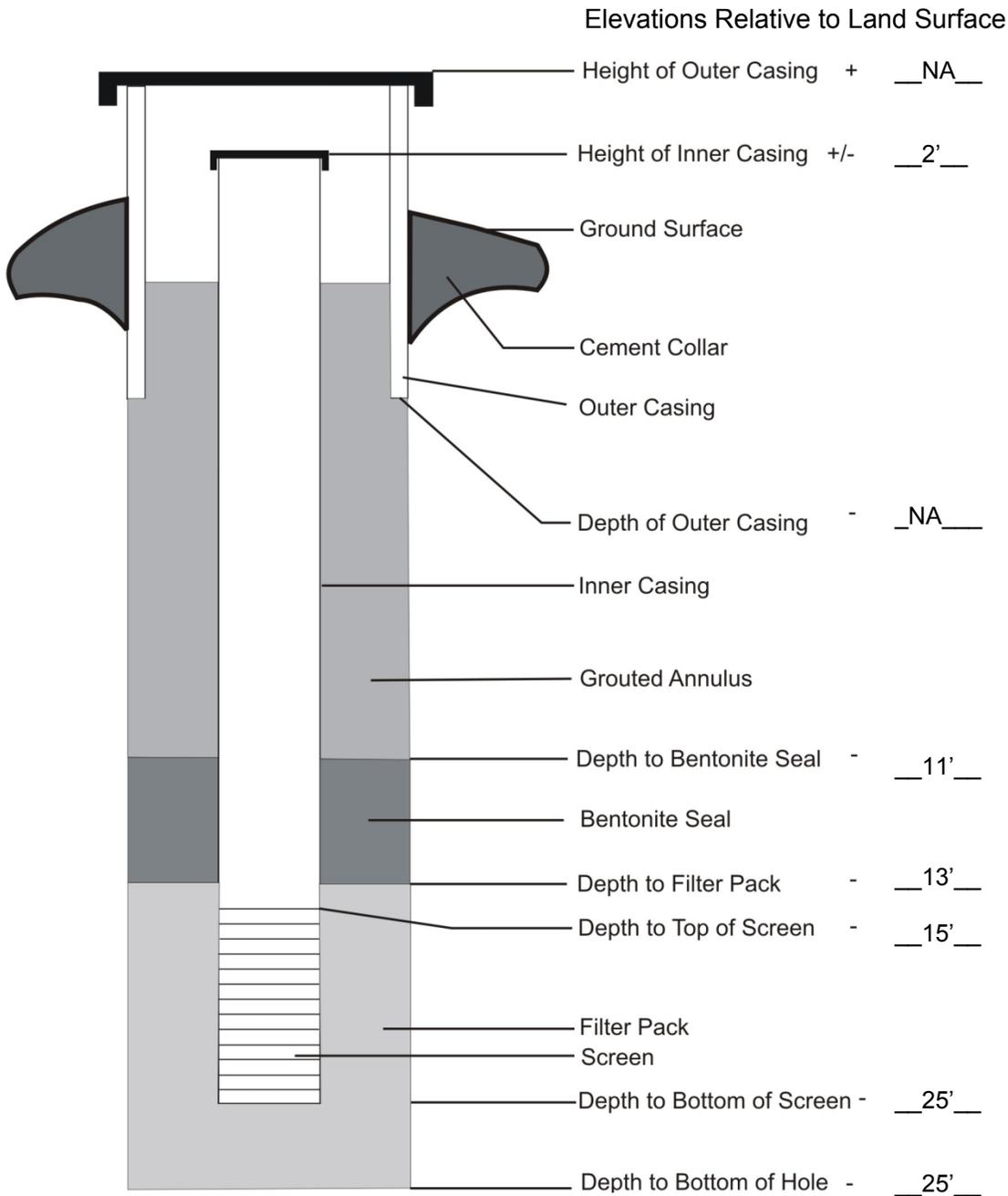


Auger Diameter	4.25"
Borehole Diameter	4.25"
Flush-to-grade Curb Box?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Stick-up Pipe?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Outer Casing Diameter	NA
Outer Casing Material	NA
Inner Casing Diameter	2"
Inner Casing Material	Sched. 40 PVC
Grout Type	Sand
Bentonite Type	Chip
Filter Pack Type	#1 Sand
Screen Type/Slot Size	20 Slot

Monitoring Well Construction Diagram

Project #: 560944
 Project Name/Site: 3160 Park Avenue, Bronx, NY
 Well #: MW-3
 Location/Coordinates: _____
 Geologist: Conor Tarbell
 Elevation of Ground Surface: _____
 Notes: _____

Driller: Soiltesting, INC
 Drilling Method: Convention Rig
 Drilling Fluid: _____
 Date Start: 10/16/2014 Date End: 10/16/2014
 Depth of Outer Casing (BLS): NA
 Depth of Inner Casing (BLS): 25'



Auger Diameter	4.25"
Borehole Diameter	4.25"
Flush-to-grade Curb Box?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Stick-up Pipe?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Outer Casing Diameter	NA
Outer Casing Material	NA
Inner Casing Diameter	2"
Inner Casing Material	Sched. 40 PVC
Grout Type	Sand
Bentonite Type	Chip
Filter Pack Type	#1 Sand
Screen Type/Slot Size	20 Slot

Appendix H



Technical Report

prepared for:

PVE Sheffler
1 Civic Center Plaza, Suite 501
Poughkeepsie NY, 12601
Attention: Conor Tarbell

Report Date: 10/16/2014
Client Project ID: 560944
York Project (SDG) No.: 14J0449

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 10/16/2014
Client Project ID: 560944
York Project (SDG) No.: 14J0449

PVE Sheffler

1 Civic Center Plaza, Suite 501
Poughkeepsie NY, 12601
Attention: Conor Tarbell

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 October 09, 2014 and listed below. The project was identified as your project: **560944**.

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>
14J0449-01	SB MW-1 0-2' 20141009	Soil	10/09/2014	10/09/2014
14J0449-02	SB-2 0-2' 20141009	Soil	10/09/2014	10/09/2014
14J0449-03	SB-2 3-5' 20141009	Soil	10/09/2014	10/09/2014
14J0449-04	SB-3 0-2' 20141009	Soil	10/09/2014	10/09/2014
14J0449-05	SB-3 7-9' 20141009	Soil	10/09/2014	10/09/2014

General Notes for York Project (SDG) No.: 14J0449

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: 10/16/2014





Sample Information

Client Sample ID: SB MW-1 0-2' 20141009

York Sample ID: 14J0449-01

<u>York Project (SDG) No.</u> 14J0449	<u>Client Project ID</u> 560944	<u>Matrix</u> Soil	<u>Collection Date/Time</u> October 9, 2014 11:15 am	<u>Date Received</u> 10/09/2014
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Volatile Organics, TCL (Target Compound 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
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	3.2	6.4	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:04	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	3.2	6.4	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:04	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	10/14/2014 08:21	10/14/2014 12:04	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	3.2	6.4	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:04	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	3.2	6.4	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:04	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	3.2	6.4	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:04	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	3.2	6.4	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:04	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	3.2	6.4	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:04	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.2	6.4	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:04	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	3.2	6.4	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:04	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	3.2	6.4	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:04	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	3.2	6.4	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:04	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	3.2	6.4	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:04	SS
78-93-3	2-Butanone	ND		ug/kg dry	3.2	6.4	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:04	SS
591-78-6	2-Hexanone	ND		ug/kg dry	3.2	6.4	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:04	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	3.2	6.4	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:04	SS
67-64-1	Acetone	ND		ug/kg dry	6.4	13	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:04	SS
71-43-2	Benzene	ND		ug/kg dry	3.2	6.4	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:04	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	3.2	6.4	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:04	SS
75-25-2	Bromoform	ND		ug/kg dry	3.2	6.4	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:04	SS
74-83-9	Bromomethane	ND		ug/kg dry	3.2	6.4	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:04	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	3.2	6.4	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:04	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	3.2	6.4	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:04	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	3.2	6.4	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:04	SS
75-00-3	Chloroethane	ND		ug/kg dry	3.2	6.4	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:04	SS
67-66-3	Chloroform	ND		ug/kg dry	3.2	6.4	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:04	SS
74-87-3	Chloromethane	ND		ug/kg dry	3.2	6.4	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:04	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	3.2	6.4	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:04	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	3.2	6.4	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:04	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	3.2	6.4	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:04	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	3.2	6.4	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:04	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	3.2	6.4	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:04	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	3.2	6.4	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:04	SS
75-09-2	Methylene chloride	ND		ug/kg dry	6.4	13	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:04	SS
91-20-3	Naphthalene	5.9	J, B	ug/kg dry	3.2	13	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:04	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	3.2	6.4	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:04	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	3.2	6.4	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:04	SS



Sample Information

Client Sample ID: SB MW-1 0-2' 20141009

York Sample ID: 14J0449-01

<u>York Project (SDG) No.</u> 14J0449	<u>Client Project ID</u> 560944	<u>Matrix</u> Soil	<u>Collection Date/Time</u> October 9, 2014 11:15 am	<u>Date Received</u> 10/09/2014
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Volatile Organics, TCL (Target Compound 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
95-47-6	o-Xylene	ND		ug/kg dry	3.2	6.4	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:04	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	6.4	13	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:04	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	3.2	6.4	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:04	SS
100-42-5	Styrene	ND		ug/kg dry	3.2	6.4	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:04	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	3.2	6.4	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:04	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	3.2	6.4	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:04	SS
108-88-3	Toluene	ND		ug/kg dry	3.2	6.4	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:04	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	3.2	6.4	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:04	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	3.2	6.4	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:04	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	3.2	6.4	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:04	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	3.2	6.4	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:04	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	3.2	6.4	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:04	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	9.6	19	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:04	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	94.3 %	77-125								
460-00-4	Surrogate: p-Bromofluorobenzene	96.6 %	76-130								
2037-26-5	Surrogate: Toluene-d8	96.0 %	85-120								

Semi-Volatiles, EPA TCL 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	446	1770	10	EPA 8270D	10/14/2014 07:29	10/14/2014 20:39	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	446	1770	10	EPA 8270D	10/14/2014 07:29	10/14/2014 20:39	KH
120-12-7	Anthracene	ND		ug/kg dry	446	1770	10	EPA 8270D	10/14/2014 07:29	10/14/2014 20:39	KH
56-55-3	Benzo(a)anthracene	3430		ug/kg dry	446	1770	10	EPA 8270D	10/14/2014 07:29	10/14/2014 20:39	KH
50-32-8	Benzo(a)pyrene	2830		ug/kg dry	446	1770	10	EPA 8270D	10/14/2014 07:29	10/14/2014 20:39	KH
205-99-2	Benzo(b)fluoranthene	2290		ug/kg dry	446	1770	10	EPA 8270D	10/14/2014 07:29	10/14/2014 20:39	KH
191-24-2	Benzo(g,h,i)perylene	1450	J	ug/kg dry	893	1770	10	EPA 8270D	10/14/2014 07:29	10/14/2014 20:39	KH
65-85-0	Benzoic acid	ND		ug/kg dry	1210	3540	10	EPA 8270D	10/14/2014 07:29	10/14/2014 20:39	KH
207-08-9	Benzo(k)fluoranthene	3170		ug/kg dry	446	1770	10	EPA 8270D	10/14/2014 07:29	10/14/2014 20:39	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	893	1770	10	EPA 8270D	10/14/2014 07:29	10/14/2014 20:39	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	446	1770	10	EPA 8270D	10/14/2014 07:29	10/14/2014 20:39	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	446	1770	10	EPA 8270D	10/14/2014 07:29	10/14/2014 20:39	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	893	1770	10	EPA 8270D	10/14/2014 07:29	10/14/2014 20:39	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	893	1770	10	EPA 8270D	10/14/2014 07:29	10/14/2014 20:39	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	446	1770	10	EPA 8270D	10/14/2014 07:29	10/14/2014 20:39	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	446	1770	10	EPA 8270D	10/14/2014 07:29	10/14/2014 20:39	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	446	1770	10	EPA 8270D	10/14/2014 07:29	10/14/2014 20:39	KH



Sample Information

Client Sample ID: SB MW-1 0-2' 20141009

York Sample ID: 14J0449-01

<u>York Project (SDG) No.</u> 14J0449	<u>Client Project ID</u> 560944	<u>Matrix</u> Soil	<u>Collection Date/Time</u> October 9, 2014 11:15 am	<u>Date Received</u> 10/09/2014
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Semi-Volatiles, EPA TCL 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
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	446	1770	10	EPA 8270D	10/14/2014 07:29	10/14/2014 20:39	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	446	1770	10	EPA 8270D	10/14/2014 07:29	10/14/2014 20:39	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	446	1770	10	EPA 8270D	10/14/2014 07:29	10/14/2014 20:39	KH
218-01-9	Chrysene	3600		ug/kg dry	446	1770	10	EPA 8270D	10/14/2014 07:29	10/14/2014 20:39	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	446	1770	10	EPA 8270D	10/14/2014 07:29	10/14/2014 20:39	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	446	1770	10	EPA 8270D	10/14/2014 07:29	10/14/2014 20:39	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	446	1770	10	EPA 8270D	10/14/2014 07:29	10/14/2014 20:39	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	446	1770	10	EPA 8270D	10/14/2014 07:29	10/14/2014 20:39	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	446	1770	10	EPA 8270D	10/14/2014 07:29	10/14/2014 20:39	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	446	1770	10	EPA 8270D	10/14/2014 07:29	10/14/2014 20:39	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	1770	3540	10	EPA 8270D	10/14/2014 07:29	10/14/2014 20:39	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	893	1770	10	EPA 8270D	10/14/2014 07:29	10/14/2014 20:39	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	446	1770	10	EPA 8270D	10/14/2014 07:29	10/14/2014 20:39	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	446	1770	10	EPA 8270D	10/14/2014 07:29	10/14/2014 20:39	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	446	1770	10	EPA 8270D	10/14/2014 07:29	10/14/2014 20:39	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	893	1770	10	EPA 8270D	10/14/2014 07:29	10/14/2014 20:39	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	1770	3540	10	EPA 8270D	10/14/2014 07:29	10/14/2014 20:39	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	893	1770	10	EPA 8270D	10/14/2014 07:29	10/14/2014 20:39	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	446	1770	10	EPA 8270D	10/14/2014 07:29	10/14/2014 20:39	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	446	1770	10	EPA 8270D	10/14/2014 07:29	10/14/2014 20:39	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	446	1770	10	EPA 8270D	10/14/2014 07:29	10/14/2014 20:39	KH
206-44-0	Fluoranthene	5080		ug/kg dry	446	1770	10	EPA 8270D	10/14/2014 07:29	10/14/2014 20:39	KH
86-73-7	Fluorene	ND		ug/kg dry	446	1770	10	EPA 8270D	10/14/2014 07:29	10/14/2014 20:39	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	446	1770	10	EPA 8270D	10/14/2014 07:29	10/14/2014 20:39	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	446	1770	10	EPA 8270D	10/14/2014 07:29	10/14/2014 20:39	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	893	1770	10	EPA 8270D	10/14/2014 07:29	10/14/2014 20:39	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	446	1770	10	EPA 8270D	10/14/2014 07:29	10/14/2014 20:39	KH
193-39-5	Indeno(1,2,3-cd)pyrene	1670	J	ug/kg dry	446	1770	10	EPA 8270D	10/14/2014 07:29	10/14/2014 20:39	KH
78-59-1	Isophorone	ND		ug/kg dry	446	1770	10	EPA 8270D	10/14/2014 07:29	10/14/2014 20:39	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	446	1770	10	EPA 8270D	10/14/2014 07:29	10/14/2014 20:39	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	893	1770	10	EPA 8270D	10/14/2014 07:29	10/14/2014 20:39	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	893	1770	10	EPA 8270D	10/14/2014 07:29	10/14/2014 20:39	KH
91-20-3	Naphthalene	ND		ug/kg dry	446	1770	10	EPA 8270D	10/14/2014 07:29	10/14/2014 20:39	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	893	1770	10	EPA 8270D	10/14/2014 07:29	10/14/2014 20:39	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	446	1770	10	EPA 8270D	10/14/2014 07:29	10/14/2014 20:39	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	893	1770	10	EPA 8270D	10/14/2014 07:29	10/14/2014 20:39	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	446	1770	10	EPA 8270D	10/14/2014 07:29	10/14/2014 20:39	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	446	1770	10	EPA 8270D	10/14/2014 07:29	10/14/2014 20:39	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	893	1770	10	EPA 8270D	10/14/2014 07:29	10/14/2014 20:39	KH



Sample Information

Client Sample ID: SB MW-1 0-2' 20141009

York Sample ID: 14J0449-01

<u>York Project (SDG) No.</u> 14J0449	<u>Client Project ID</u> 560944	<u>Matrix</u> Soil	<u>Collection Date/Time</u> October 9, 2014 11:15 am	<u>Date Received</u> 10/09/2014
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Semi-Volatiles, EPA TCL 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	446	1770	10	EPA 8270D	10/14/2014 07:29	10/14/2014 20:39	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	446	1770	10	EPA 8270D	10/14/2014 07:29	10/14/2014 20:39	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	893	1770	10	EPA 8270D	10/14/2014 07:29	10/14/2014 20:39	KH
85-01-8	Phenanthrene	942	J	ug/kg dry	446	1770	10	EPA 8270D	10/14/2014 07:29	10/14/2014 20:39	KH
108-95-2	Phenol	ND		ug/kg dry	446	1770	10	EPA 8270D	10/14/2014 07:29	10/14/2014 20:39	KH
129-00-0	Pyrene	5470		ug/kg dry	446	1770	10	EPA 8270D	10/14/2014 07:29	10/14/2014 20:39	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	446	1770	10	EPA 8270D	10/14/2014 07:29	10/14/2014 20:39	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	446	1770	10	EPA 8270D	10/14/2014 07:29	10/14/2014 20:39	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	446	1770	10	EPA 8270D	10/14/2014 07:29	10/14/2014 20:39	KH
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: 2-Fluorophenol	53.7 %			10-105						
4165-62-2	Surrogate: Phenol-d5	59.7 %			10-118						
4165-60-0	Surrogate: Nitrobenzene-d5	43.3 %			10-140						
321-60-8	Surrogate: 2-Fluorobiphenyl	53.0 %			10-126						
118-79-6	Surrogate: 2,4,6-Tribromophenol	31.8 %			10-150						
1718-51-0	Surrogate: Terphenyl-d14	67.2 %			10-137						

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	1.75	1.75	5	EPA 8081B	10/13/2014 16:18	10/14/2014 12:33	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.75	1.75	5	EPA 8081B	10/13/2014 16:18	10/14/2014 12:33	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.75	1.75	5	EPA 8081B	10/13/2014 16:18	10/14/2014 12:33	JW
309-00-2	Aldrin	ND		ug/kg dry	1.75	1.75	5	EPA 8081B	10/13/2014 16:18	10/14/2014 12:33	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.75	1.75	5	EPA 8081B	10/13/2014 16:18	10/14/2014 12:33	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.75	1.75	5	EPA 8081B	10/13/2014 16:18	10/14/2014 12:33	JW
57-74-9	Chlordane, total	ND		ug/kg dry	70.1	70.1	5	EPA 8081B	10/13/2014 16:18	10/14/2014 12:33	JW
5103-74-2	gamma-Chlordane	3.05		ug/kg dry	1.75	1.75	5	EPA 8081B	10/13/2014 16:18	10/14/2014 12:33	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.75	1.75	5	EPA 8081B	10/13/2014 16:18	10/14/2014 12:33	JW
60-57-1	Dieldrin	ND		ug/kg dry	1.75	1.75	5	EPA 8081B	10/13/2014 16:18	10/14/2014 12:33	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.75	1.75	5	EPA 8081B	10/13/2014 16:18	10/14/2014 12:33	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	1.75	1.75	5	EPA 8081B	10/13/2014 16:18	10/14/2014 12:33	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.75	1.75	5	EPA 8081B	10/13/2014 16:18	10/14/2014 12:33	JW
72-20-8	Endrin	ND		ug/kg dry	1.75	1.75	5	EPA 8081B	10/13/2014 16:18	10/14/2014 12:33	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.75	1.75	5	EPA 8081B	10/13/2014 16:18	10/14/2014 12:33	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.75	1.75	5	EPA 8081B	10/13/2014 16:18	10/14/2014 12:33	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.75	1.75	5	EPA 8081B	10/13/2014 16:18	10/14/2014 12:33	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.75	1.75	5	EPA 8081B	10/13/2014 16:18	10/14/2014 12:33	JW



Sample Information

Client Sample ID: SB MW-1 0-2' 20141009

York Sample ID: 14J0449-01

<u>York Project (SDG) No.</u> 14J0449	<u>Client Project ID</u> 560944	<u>Matrix</u> Soil	<u>Collection Date/Time</u> October 9, 2014 11:15 am	<u>Date Received</u> 10/09/2014
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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
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.75	1.75	5	EPA 8081B	10/13/2014 16:18	10/14/2014 12:33	JW
5103-71-9	alpha-Chlordane	2.86		ug/kg dry	1.75	1.75	5	EPA 8081B	10/13/2014 16:18	10/14/2014 12:33	JW
72-43-5	Methoxychlor	ND		ug/kg dry	8.77	8.77	5	EPA 8081B	10/13/2014 16:18	10/14/2014 12:33	JW
8001-35-2	Toxaphene	ND		ug/kg dry	88.7	88.7	5	EPA 8081B	10/13/2014 16:18	10/14/2014 12:33	JW
Surrogate Recoveries		Result			Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	46.8 %			30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	65.4 %			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	10/13/2014 16:18	10/14/2014 15:50	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0177	0.0177	1	EPA 8082A	10/13/2014 16:18	10/14/2014 15:50	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0177	0.0177	1	EPA 8082A	10/13/2014 16:18	10/14/2014 15:50	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0177	0.0177	1	EPA 8082A	10/13/2014 16:18	10/14/2014 15:50	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0177	0.0177	1	EPA 8082A	10/13/2014 16:18	10/14/2014 15:50	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0177	0.0177	1	EPA 8082A	10/13/2014 16:18	10/14/2014 15:50	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0177	0.0177	1	EPA 8082A	10/13/2014 16:18	10/14/2014 15:50	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0177	0.0177	1	EPA 8082A	10/13/2014 16:18	10/14/2014 15:50	AMC
Surrogate Recoveries		Result			Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	46.0 %			30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	43.0 %			30-140						

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	7460		mg/kg dry	1.06	1.06	1	EPA 6010C	10/13/2014 12:23	10/13/2014 20:52	MW
7440-36-0	Antimony	ND		mg/kg dry	0.531	0.531	1	EPA 6010C	10/13/2014 12:23	10/13/2014 20:52	MW
7440-38-2	Arsenic	3.76		mg/kg dry	1.06	1.06	1	EPA 6010C	10/13/2014 12:23	10/13/2014 20:52	MW
7440-39-3	Barium	197		mg/kg dry	1.06	1.06	1	EPA 6010C	10/13/2014 12:23	10/13/2014 20:52	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.106	0.106	1	EPA 6010C	10/13/2014 12:23	10/13/2014 20:52	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.319	0.319	1	EPA 6010C	10/13/2014 12:23	10/13/2014 20:52	MW
7440-70-2	Calcium	72400		mg/kg dry	0.531	5.31	1	EPA 6010C	10/13/2014 12:23	10/13/2014 20:52	MW
7440-47-3	Chromium	14.1		mg/kg dry	0.531	0.531	1	EPA 6010C	10/13/2014 12:23	10/13/2014 20:52	MW
7440-48-4	Cobalt	4.42		mg/kg dry	0.531	0.531	1	EPA 6010C	10/13/2014 12:23	10/13/2014 20:52	MW
7440-50-8	Copper	70.8		mg/kg dry	0.531	0.531	1	EPA 6010C	10/13/2014 12:23	10/13/2014 20:52	MW
7439-89-6	Iron	10200		mg/kg dry	2.13	2.13	1	EPA 6010C	10/13/2014 12:23	10/13/2014 20:52	MW



Sample Information

Client Sample ID: SB MW-1 0-2' 20141009

York Sample ID: 14J0449-01

York Project (SDG) No. 14J0449	Client Project ID 560944	Matrix Soil	Collection Date/Time October 9, 2014 11:15 am	Date Received 10/09/2014
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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	145		mg/kg dry	0.319	0.319	1	EPA 6010C	10/13/2014 12:23	10/13/2014 20:52	MW
7439-95-4	Magnesium	8390		mg/kg dry	5.31	5.31	1	EPA 6010C	10/13/2014 12:23	10/13/2014 20:52	MW
7439-96-5	Manganese	217		mg/kg dry	0.531	0.531	1	EPA 6010C	10/13/2014 12:23	10/13/2014 20:52	MW
7440-02-0	Nickel	11.8		mg/kg dry	0.531	0.531	1	EPA 6010C	10/13/2014 12:23	10/13/2014 20:52	MW
7440-09-7	Potassium	2320		mg/kg dry	5.31	5.31	1	EPA 6010C	10/13/2014 12:23	10/13/2014 20:52	MW
7782-49-2	Selenium	ND		mg/kg dry	1.06	1.06	1	EPA 6010C	10/13/2014 12:23	10/13/2014 20:52	MW
7440-22-4	Silver	ND		mg/kg dry	0.531	0.531	1	EPA 6010C	10/13/2014 12:23	10/13/2014 20:52	MW
7440-23-5	Sodium	383		mg/kg dry	10.6	10.6	1	EPA 6010C	10/13/2014 12:23	10/13/2014 20:52	MW
7440-28-0	Thallium	ND		mg/kg dry	1.06	1.06	1	EPA 6010C	10/13/2014 12:23	10/13/2014 20:52	MW
7440-62-2	Vanadium	15.8		mg/kg dry	1.06	1.06	1	EPA 6010C	10/13/2014 12:23	10/13/2014 20:52	MW
7440-66-6	Zinc	126		mg/kg dry	1.06	1.06	1	EPA 6010C	10/13/2014 12:23	10/13/2014 20:52	MW

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	0.336		mg/kg dry	0.0319	0.0319	1	EPA 7473	10/15/2014 06:52	10/15/2014 08:07	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	94.1		%	0.100	0.100	1	SM 2540G	10/14/2014 09:13	10/14/2014 15:15	KK

Sample Information

Client Sample ID: SB-2 0-2' 20141009

York Sample ID: 14J0449-02

York Project (SDG) No. 14J0449	Client Project ID 560944	Matrix Soil	Collection Date/Time October 9, 2014 11:50 am	Date Received 10/09/2014
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Volatile Organics, TCL (Target Compound 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
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:44	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:44	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:44	SS



Sample Information

Client Sample ID: SB-2 0-2' 20141009

York Sample ID: 14J0449-02

<u>York Project (SDG) No.</u> 14J0449	<u>Client Project ID</u> 560944	<u>Matrix</u> Soil	<u>Collection Date/Time</u> October 9, 2014 11:50 am	<u>Date Received</u> 10/09/2014
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Volatile Organics, TCL (Target Compound 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
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:44	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:44	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:44	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:44	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:44	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:44	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:44	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:44	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:44	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:44	SS
78-93-3	2-Butanone	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:44	SS
591-78-6	2-Hexanone	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:44	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:44	SS
67-64-1	Acetone	43		ug/kg dry	6.1	12	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:44	SS
71-43-2	Benzene	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:44	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:44	SS
75-25-2	Bromoform	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:44	SS
74-83-9	Bromomethane	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:44	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:44	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:44	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:44	SS
75-00-3	Chloroethane	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:44	SS
67-66-3	Chloroform	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:44	SS
74-87-3	Chloromethane	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:44	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:44	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:44	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:44	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:44	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:44	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:44	SS
75-09-2	Methylene chloride	ND		ug/kg dry	6.1	12	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:44	SS
91-20-3	Naphthalene	ND		ug/kg dry	3.0	12	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:44	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:44	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:44	SS
95-47-6	o-Xylene	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:44	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	6.1	12	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:44	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:44	SS
100-42-5	Styrene	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:44	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:44	SS



Sample Information

Client Sample ID: SB-2 0-2' 20141009

York Sample ID: 14J0449-02

<u>York Project (SDG) No.</u> 14J0449	<u>Client Project ID</u> 560944	<u>Matrix</u> Soil	<u>Collection Date/Time</u> October 9, 2014 11:50 am	<u>Date Received</u> 10/09/2014
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Volatile Organics, TCL (Target Compound 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
127-18-4	Tetrachloroethylene	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:44	SS
108-88-3	Toluene	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:44	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:44	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:44	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:44	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:44	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:44	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	9.1	18	1	EPA 8260C	10/14/2014 08:21	10/14/2014 12:44	SS
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	97.9 %		77-125							
460-00-4	Surrogate: p-Bromofluorobenzene	94.1 %		76-130							
2037-26-5	Surrogate: Toluene-d8	96.6 %		85-120							

Semi-Volatiles, EPA TCL 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	219	870	5	EPA 8270D	10/14/2014 07:29	10/14/2014 21:10	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	219	870	5	EPA 8270D	10/14/2014 07:29	10/14/2014 21:10	KH
120-12-7	Anthracene	ND		ug/kg dry	219	870	5	EPA 8270D	10/14/2014 07:29	10/14/2014 21:10	KH
56-55-3	Benzo(a)anthracene	304	J	ug/kg dry	219	870	5	EPA 8270D	10/14/2014 07:29	10/14/2014 21:10	KH
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	219	870	5	EPA 8270D	10/14/2014 07:29	10/14/2014 21:10	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	219	870	5	EPA 8270D	10/14/2014 07:29	10/14/2014 21:10	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	438	870	5	EPA 8270D	10/14/2014 07:29	10/14/2014 21:10	KH
65-85-0	Benzoic acid	ND		ug/kg dry	595	1740	5	EPA 8270D	10/14/2014 07:29	10/14/2014 21:10	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	219	870	5	EPA 8270D	10/14/2014 07:29	10/14/2014 21:10	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	438	870	5	EPA 8270D	10/14/2014 07:29	10/14/2014 21:10	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	219	870	5	EPA 8270D	10/14/2014 07:29	10/14/2014 21:10	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	219	870	5	EPA 8270D	10/14/2014 07:29	10/14/2014 21:10	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	438	870	5	EPA 8270D	10/14/2014 07:29	10/14/2014 21:10	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	438	870	5	EPA 8270D	10/14/2014 07:29	10/14/2014 21:10	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	219	870	5	EPA 8270D	10/14/2014 07:29	10/14/2014 21:10	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	219	870	5	EPA 8270D	10/14/2014 07:29	10/14/2014 21:10	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	219	870	5	EPA 8270D	10/14/2014 07:29	10/14/2014 21:10	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	219	870	5	EPA 8270D	10/14/2014 07:29	10/14/2014 21:10	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	219	870	5	EPA 8270D	10/14/2014 07:29	10/14/2014 21:10	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	219	870	5	EPA 8270D	10/14/2014 07:29	10/14/2014 21:10	KH
218-01-9	Chrysene	317	J	ug/kg dry	219	870	5	EPA 8270D	10/14/2014 07:29	10/14/2014 21:10	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	219	870	5	EPA 8270D	10/14/2014 07:29	10/14/2014 21:10	KH



Sample Information

Client Sample ID: SB-2 0-2' 20141009

York Sample ID: 14J0449-02

<u>York Project (SDG) No.</u> 14J0449	<u>Client Project ID</u> 560944	<u>Matrix</u> Soil	<u>Collection Date/Time</u> October 9, 2014 11:50 am	<u>Date Received</u> 10/09/2014
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Semi-Volatiles, EPA TCL 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	ND		ug/kg dry	219	870	5	EPA 8270D	10/14/2014 07:29	10/14/2014 21:10	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	219	870	5	EPA 8270D	10/14/2014 07:29	10/14/2014 21:10	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	219	870	5	EPA 8270D	10/14/2014 07:29	10/14/2014 21:10	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	219	870	5	EPA 8270D	10/14/2014 07:29	10/14/2014 21:10	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	219	870	5	EPA 8270D	10/14/2014 07:29	10/14/2014 21:10	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	872	1740	5	EPA 8270D	10/14/2014 07:29	10/14/2014 21:10	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	438	870	5	EPA 8270D	10/14/2014 07:29	10/14/2014 21:10	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	219	870	5	EPA 8270D	10/14/2014 07:29	10/14/2014 21:10	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	219	870	5	EPA 8270D	10/14/2014 07:29	10/14/2014 21:10	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	219	870	5	EPA 8270D	10/14/2014 07:29	10/14/2014 21:10	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	438	870	5	EPA 8270D	10/14/2014 07:29	10/14/2014 21:10	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	872	1740	5	EPA 8270D	10/14/2014 07:29	10/14/2014 21:10	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	438	870	5	EPA 8270D	10/14/2014 07:29	10/14/2014 21:10	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	219	870	5	EPA 8270D	10/14/2014 07:29	10/14/2014 21:10	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	219	870	5	EPA 8270D	10/14/2014 07:29	10/14/2014 21:10	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	219	870	5	EPA 8270D	10/14/2014 07:29	10/14/2014 21:10	KH
206-44-0	Fluoranthene	510	J	ug/kg dry	219	870	5	EPA 8270D	10/14/2014 07:29	10/14/2014 21:10	KH
86-73-7	Fluorene	ND		ug/kg dry	219	870	5	EPA 8270D	10/14/2014 07:29	10/14/2014 21:10	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	219	870	5	EPA 8270D	10/14/2014 07:29	10/14/2014 21:10	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	219	870	5	EPA 8270D	10/14/2014 07:29	10/14/2014 21:10	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	438	870	5	EPA 8270D	10/14/2014 07:29	10/14/2014 21:10	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	219	870	5	EPA 8270D	10/14/2014 07:29	10/14/2014 21:10	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	219	870	5	EPA 8270D	10/14/2014 07:29	10/14/2014 21:10	KH
78-59-1	Isophorone	ND		ug/kg dry	219	870	5	EPA 8270D	10/14/2014 07:29	10/14/2014 21:10	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	219	870	5	EPA 8270D	10/14/2014 07:29	10/14/2014 21:10	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	438	870	5	EPA 8270D	10/14/2014 07:29	10/14/2014 21:10	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	438	870	5	EPA 8270D	10/14/2014 07:29	10/14/2014 21:10	KH
91-20-3	Naphthalene	ND		ug/kg dry	219	870	5	EPA 8270D	10/14/2014 07:29	10/14/2014 21:10	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	438	870	5	EPA 8270D	10/14/2014 07:29	10/14/2014 21:10	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	219	870	5	EPA 8270D	10/14/2014 07:29	10/14/2014 21:10	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	438	870	5	EPA 8270D	10/14/2014 07:29	10/14/2014 21:10	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	219	870	5	EPA 8270D	10/14/2014 07:29	10/14/2014 21:10	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	219	870	5	EPA 8270D	10/14/2014 07:29	10/14/2014 21:10	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	438	870	5	EPA 8270D	10/14/2014 07:29	10/14/2014 21:10	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	219	870	5	EPA 8270D	10/14/2014 07:29	10/14/2014 21:10	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	219	870	5	EPA 8270D	10/14/2014 07:29	10/14/2014 21:10	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	438	870	5	EPA 8270D	10/14/2014 07:29	10/14/2014 21:10	KH
85-01-8	Phenanthrene	416	J	ug/kg dry	219	870	5	EPA 8270D	10/14/2014 07:29	10/14/2014 21:10	KH
108-95-2	Phenol	ND		ug/kg dry	219	870	5	EPA 8270D	10/14/2014 07:29	10/14/2014 21:10	KH



Sample Information

Client Sample ID: SB-2 0-2' 20141009

York Sample ID: 14J0449-02

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
14J0449	560944	Soil	October 9, 2014 11:50 am	10/09/2014

Semi-Volatiles, EPA TCL 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	501	J	ug/kg dry	219	870	5	EPA 8270D	10/14/2014 07:29	10/14/2014 21:10	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	219	870	5	EPA 8270D	10/14/2014 07:29	10/14/2014 21:10	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	219	870	5	EPA 8270D	10/14/2014 07:29	10/14/2014 21:10	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	219	870	5	EPA 8270D	10/14/2014 07:29	10/14/2014 21:10	KH
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: 2-Fluorophenol	0.0667 %	S-06		10-105						
4165-62-2	Surrogate: Phenol-d5	11.7 %			10-118						
4165-60-0	Surrogate: Nitrobenzene-d5	36.3 %			10-140						
321-60-8	Surrogate: 2-Fluorobiphenyl	36.9 %			10-126						
118-79-6	Surrogate: 2,4,6-Tribromophenol	0.133 %	S-06		10-150						
1718-51-0	Surrogate: Terphenyl-d14	52.2 %			10-137						

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	1.72	1.72	5	EPA 8081B	10/13/2014 16:18	10/14/2014 12:49	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.72	1.72	5	EPA 8081B	10/13/2014 16:18	10/14/2014 12:49	JW
50-29-3	4,4'-DDT	4.49		ug/kg dry	1.72	1.72	5	EPA 8081B	10/13/2014 16:18	10/14/2014 12:49	JW
309-00-2	Aldrin	ND		ug/kg dry	1.72	1.72	5	EPA 8081B	10/13/2014 16:18	10/14/2014 12:49	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.72	1.72	5	EPA 8081B	10/13/2014 16:18	10/14/2014 12:49	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.72	1.72	5	EPA 8081B	10/13/2014 16:18	10/14/2014 12:49	JW
57-74-9	Chlordane, total	ND		ug/kg dry	68.9	68.9	5	EPA 8081B	10/13/2014 16:18	10/14/2014 12:49	JW
5103-74-2	gamma-Chlordane	ND		ug/kg dry	1.72	1.72	5	EPA 8081B	10/13/2014 16:18	10/14/2014 12:49	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.72	1.72	5	EPA 8081B	10/13/2014 16:18	10/14/2014 12:49	JW
60-57-1	Dieldrin	3.67		ug/kg dry	1.72	1.72	5	EPA 8081B	10/13/2014 16:18	10/14/2014 12:49	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.72	1.72	5	EPA 8081B	10/13/2014 16:18	10/14/2014 12:49	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	1.72	1.72	5	EPA 8081B	10/13/2014 16:18	10/14/2014 12:49	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.72	1.72	5	EPA 8081B	10/13/2014 16:18	10/14/2014 12:49	JW
72-20-8	Endrin	ND		ug/kg dry	1.72	1.72	5	EPA 8081B	10/13/2014 16:18	10/14/2014 12:49	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.72	1.72	5	EPA 8081B	10/13/2014 16:18	10/14/2014 12:49	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.72	1.72	5	EPA 8081B	10/13/2014 16:18	10/14/2014 12:49	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.72	1.72	5	EPA 8081B	10/13/2014 16:18	10/14/2014 12:49	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.72	1.72	5	EPA 8081B	10/13/2014 16:18	10/14/2014 12:49	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.72	1.72	5	EPA 8081B	10/13/2014 16:18	10/14/2014 12:49	JW
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.72	1.72	5	EPA 8081B	10/13/2014 16:18	10/14/2014 12:49	JW
72-43-5	Methoxychlor	ND		ug/kg dry	8.61	8.61	5	EPA 8081B	10/13/2014 16:18	10/14/2014 12:49	JW
8001-35-2	Toxaphene	ND		ug/kg dry	87.2	87.2	5	EPA 8081B	10/13/2014 16:18	10/14/2014 12:49	JW
Surrogate Recoveries		Result			Acceptance Range						



Sample Information

Client Sample ID: SB-2 0-2' 20141009

York Sample ID: 14J0449-02

<u>York Project (SDG) No.</u> 14J0449	<u>Client Project ID</u> 560944	<u>Matrix</u> Soil	<u>Collection Date/Time</u> October 9, 2014 11:50 am	<u>Date Received</u> 10/09/2014
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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
877-09-8	Surrogate: Tetrachloro-m-xylene	110 %			30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	89.0 %			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	0.0174	0.0174	1	EPA 8082A	10/13/2014 16:18	10/14/2014 16:19	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0174	0.0174	1	EPA 8082A	10/13/2014 16:18	10/14/2014 16:19	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0174	0.0174	1	EPA 8082A	10/13/2014 16:18	10/14/2014 16:19	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0174	0.0174	1	EPA 8082A	10/13/2014 16:18	10/14/2014 16:19	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0174	0.0174	1	EPA 8082A	10/13/2014 16:18	10/14/2014 16:19	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0174	0.0174	1	EPA 8082A	10/13/2014 16:18	10/14/2014 16:19	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0174	0.0174	1	EPA 8082A	10/13/2014 16:18	10/14/2014 16:19	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0174	0.0174	1	EPA 8082A	10/13/2014 16:18	10/14/2014 16:19	AMC
	Surrogate Recoveries	Result			Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	81.5 %			30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	69.5 %			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	10400		mg/kg dry	1.04	1.04	1	EPA 6010C	10/13/2014 12:23	10/13/2014 20:56	MW
7440-36-0	Antimony	0.973		mg/kg dry	0.522	0.522	1	EPA 6010C	10/13/2014 12:23	10/13/2014 20:56	MW
7440-38-2	Arsenic	4.10		mg/kg dry	1.04	1.04	1	EPA 6010C	10/13/2014 12:23	10/13/2014 20:56	MW
7440-39-3	Barium	146		mg/kg dry	1.04	1.04	1	EPA 6010C	10/13/2014 12:23	10/13/2014 20:56	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.104	0.104	1	EPA 6010C	10/13/2014 12:23	10/13/2014 20:56	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.313	0.313	1	EPA 6010C	10/13/2014 12:23	10/13/2014 20:56	MW
7440-70-2	Calcium	104000		mg/kg dry	0.522	5.22	1	EPA 6010C	10/13/2014 12:23	10/13/2014 20:56	MW
7440-47-3	Chromium	40.2		mg/kg dry	0.522	0.522	1	EPA 6010C	10/13/2014 12:23	10/13/2014 20:56	MW
7440-48-4	Cobalt	4.18		mg/kg dry	0.522	0.522	1	EPA 6010C	10/13/2014 12:23	10/13/2014 20:56	MW
7440-50-8	Copper	16.0		mg/kg dry	0.522	0.522	1	EPA 6010C	10/13/2014 12:23	10/13/2014 20:56	MW
7439-89-6	Iron	16100		mg/kg dry	2.09	2.09	1	EPA 6010C	10/13/2014 12:23	10/13/2014 20:56	MW
7439-92-1	Lead	81.5		mg/kg dry	0.313	0.313	1	EPA 6010C	10/13/2014 12:23	10/13/2014 20:56	MW
7439-95-4	Magnesium	9770		mg/kg dry	5.22	5.22	1	EPA 6010C	10/13/2014 12:23	10/13/2014 20:56	MW
7439-96-5	Manganese	264		mg/kg dry	0.522	0.522	1	EPA 6010C	10/13/2014 12:23	10/13/2014 20:56	MW
7440-02-0	Nickel	13.9		mg/kg dry	0.522	0.522	1	EPA 6010C	10/13/2014 12:23	10/13/2014 20:56	MW
7440-09-7	Potassium	1820		mg/kg dry	5.22	5.22	1	EPA 6010C	10/13/2014 12:23	10/13/2014 20:56	MW



Sample Information

Client Sample ID: SB-2 0-2' 20141009

York Sample ID: 14J0449-02

York Project (SDG) No. 14J0449	Client Project ID 560944	Matrix Soil	Collection Date/Time October 9, 2014 11:50 am	Date Received 10/09/2014
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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
7782-49-2	Selenium	ND		mg/kg dry	1.04	1.04	1	EPA 6010C	10/13/2014 12:23	10/13/2014 20:56	MW
7440-22-4	Silver	ND		mg/kg dry	0.522	0.522	1	EPA 6010C	10/13/2014 12:23	10/13/2014 20:56	MW
7440-23-5	Sodium	776		mg/kg dry	10.4	10.4	1	EPA 6010C	10/13/2014 12:23	10/13/2014 20:56	MW
7440-28-0	Thallium	ND		mg/kg dry	1.04	1.04	1	EPA 6010C	10/13/2014 12:23	10/13/2014 20:56	MW
7440-62-2	Vanadium	24.4		mg/kg dry	1.04	1.04	1	EPA 6010C	10/13/2014 12:23	10/13/2014 20:56	MW
7440-66-6	Zinc	125		mg/kg dry	1.04	1.04	1	EPA 6010C	10/13/2014 12:23	10/13/2014 20:56	MW

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	0.0863		mg/kg dry	0.0313	0.0313	1	EPA 7473	10/15/2014 06:52	10/15/2014 09:17	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	95.8		%	0.100	0.100	1	SM 2540G	10/14/2014 09:13	10/14/2014 15:15	KK

Sample Information

Client Sample ID: SB-2 3-5' 20141009

York Sample ID: 14J0449-03

York Project (SDG) No. 14J0449	Client Project ID 560944	Matrix Soil	Collection Date/Time October 9, 2014 11:45 am	Date Received 10/09/2014
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Volatile Organics, TCL (Target Compound 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
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	10/14/2014 08:21	10/14/2014 13:24	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	10/14/2014 08:21	10/14/2014 13:24	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	10/14/2014 08:21	10/14/2014 13:24	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	10/14/2014 08:21	10/14/2014 13:24	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	10/14/2014 08:21	10/14/2014 13:24	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	10/14/2014 08:21	10/14/2014 13:24	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	10/14/2014 08:21	10/14/2014 13:24	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	10/14/2014 08:21	10/14/2014 13:24	SS



Sample Information

Client Sample ID: SB-2 3-5' 20141009

York Sample ID: 14J0449-03

<u>York Project (SDG) No.</u> 14J0449	<u>Client Project ID</u> 560944	<u>Matrix</u> Soil	<u>Collection Date/Time</u> October 9, 2014 11:45 am	<u>Date Received</u> 10/09/2014
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Volatile Organics, TCL (Target Compound 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
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	10/14/2014 08:21	10/14/2014 13:24	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	10/14/2014 08:21	10/14/2014 13:24	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	10/14/2014 08:21	10/14/2014 13:24	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	10/14/2014 08:21	10/14/2014 13:24	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	10/14/2014 08:21	10/14/2014 13:24	SS
78-93-3	2-Butanone	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	10/14/2014 08:21	10/14/2014 13:24	SS
591-78-6	2-Hexanone	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	10/14/2014 08:21	10/14/2014 13:24	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	10/14/2014 08:21	10/14/2014 13:24	SS
67-64-1	Acetone	12		ug/kg dry	5.0	10	1	EPA 8260C	10/14/2014 08:21	10/14/2014 13:24	SS
71-43-2	Benzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	10/14/2014 08:21	10/14/2014 13:24	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	10/14/2014 08:21	10/14/2014 13:24	SS
75-25-2	Bromoform	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	10/14/2014 08:21	10/14/2014 13:24	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	10/14/2014 08:21	10/14/2014 13:24	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	10/14/2014 08:21	10/14/2014 13:24	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	10/14/2014 08:21	10/14/2014 13:24	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	10/14/2014 08:21	10/14/2014 13:24	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	10/14/2014 08:21	10/14/2014 13:24	SS
67-66-3	Chloroform	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	10/14/2014 08:21	10/14/2014 13:24	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	10/14/2014 08:21	10/14/2014 13:24	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	10/14/2014 08:21	10/14/2014 13:24	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	10/14/2014 08:21	10/14/2014 13:24	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	10/14/2014 08:21	10/14/2014 13:24	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	10/14/2014 08:21	10/14/2014 13:24	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	10/14/2014 08:21	10/14/2014 13:24	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	10/14/2014 08:21	10/14/2014 13:24	SS
75-09-2	Methylene chloride	ND		ug/kg dry	5.0	10	1	EPA 8260C	10/14/2014 08:21	10/14/2014 13:24	SS
91-20-3	Naphthalene	ND		ug/kg dry	2.5	10	1	EPA 8260C	10/14/2014 08:21	10/14/2014 13:24	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	10/14/2014 08:21	10/14/2014 13:24	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	10/14/2014 08:21	10/14/2014 13:24	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	10/14/2014 08:21	10/14/2014 13:24	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.0	10	1	EPA 8260C	10/14/2014 08:21	10/14/2014 13:24	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	10/14/2014 08:21	10/14/2014 13:24	SS
100-42-5	Styrene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	10/14/2014 08:21	10/14/2014 13:24	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	10/14/2014 08:21	10/14/2014 13:24	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	10/14/2014 08:21	10/14/2014 13:24	SS
108-88-3	Toluene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	10/14/2014 08:21	10/14/2014 13:24	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	10/14/2014 08:21	10/14/2014 13:24	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	10/14/2014 08:21	10/14/2014 13:24	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	10/14/2014 08:21	10/14/2014 13:24	SS



Sample Information

Client Sample ID: SB-2 3-5' 20141009

York Sample ID: 14J0449-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14J0449

560944

Soil

October 9, 2014 11:45 am

10/09/2014

Volatile Organics, TCL (Target Compound 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	2.5	5.0	1	EPA 8260C	10/14/2014 08:21	10/14/2014 13:24	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	10/14/2014 08:21	10/14/2014 13:24	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	7.5	15	1	EPA 8260C	10/14/2014 08:21	10/14/2014 13:24	SS
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	96.5 %			77-125						
460-00-4	Surrogate: p-Bromofluorobenzene	95.2 %			76-130						
2037-26-5	Surrogate: Toluene-d8	96.0 %			85-120						

Semi-Volatiles, EPA TCL 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	45.9	182	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:03	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	45.9	182	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:03	KH
120-12-7	Anthracene	ND		ug/kg dry	45.9	182	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:03	KH
56-55-3	Benzo(a)anthracene	52.1	J	ug/kg dry	45.9	182	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:03	KH
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	45.9	182	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:03	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	45.9	182	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:03	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	91.7	182	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:03	KH
65-85-0	Benzoic acid	ND		ug/kg dry	124	364	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:03	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	45.9	182	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:03	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	91.7	182	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:03	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	45.9	182	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:03	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	45.9	182	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:03	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	91.7	182	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:03	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	91.7	182	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:03	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	45.9	182	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:03	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	45.9	182	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:03	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	45.9	182	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:03	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	45.9	182	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:03	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	45.9	182	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:03	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	45.9	182	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:03	KH
218-01-9	Chrysene	58.2	J	ug/kg dry	45.9	182	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:03	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	45.9	182	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:03	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	45.9	182	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:03	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	45.9	182	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:03	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	45.9	182	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:03	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	45.9	182	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:03	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	45.9	182	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:03	KH



Sample Information

Client Sample ID: SB-2 3-5' 20141009

York Sample ID: 14J0449-03

<u>York Project (SDG) No.</u> 14J0449	<u>Client Project ID</u> 560944	<u>Matrix</u> Soil	<u>Collection Date/Time</u> October 9, 2014 11:45 am	<u>Date Received</u> 10/09/2014
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Semi-Volatiles, EPA TCL 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
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	182	364	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:03	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	91.7	182	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:03	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	45.9	182	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:03	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	45.9	182	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:03	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	45.9	182	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:03	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	91.7	182	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:03	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	182	364	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:03	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	91.7	182	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:03	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	45.9	182	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:03	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	45.9	182	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:03	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	45.9	182	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:03	KH
206-44-0	Fluoranthene	107	J	ug/kg dry	45.9	182	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:03	KH
86-73-7	Fluorene	ND		ug/kg dry	45.9	182	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:03	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	45.9	182	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:03	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	45.9	182	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:03	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	91.7	182	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:03	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	45.9	182	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:03	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	45.9	182	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:03	KH
78-59-1	Isophorone	ND		ug/kg dry	45.9	182	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:03	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	45.9	182	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:03	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	91.7	182	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:03	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	91.7	182	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:03	KH
91-20-3	Naphthalene	ND		ug/kg dry	45.9	182	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:03	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	91.7	182	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:03	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	45.9	182	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:03	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	91.7	182	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:03	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	45.9	182	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:03	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	45.9	182	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:03	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	91.7	182	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:03	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	45.9	182	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:03	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	45.9	182	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:03	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	91.7	182	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:03	KH
85-01-8	Phenanthrene	85.2	J	ug/kg dry	45.9	182	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:03	KH
108-95-2	Phenol	ND		ug/kg dry	45.9	182	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:03	KH
129-00-0	Pyrene	124	J	ug/kg dry	45.9	182	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:03	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	45.9	182	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:03	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	45.9	182	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:03	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	45.9	182	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:03	KH
Surrogate Recoveries		Result	Acceptance Range								



Sample Information

Client Sample ID: SB-2 3-5' 20141009

York Sample ID: 14J0449-03

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
14J0449	560944	Soil	October 9, 2014 11:45 am	10/09/2014

Semi-Volatiles, EPA TCL 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
367-12-4	Surrogate: 2-Fluorophenol	39.5 %			10-105						
4165-62-2	Surrogate: Phenol-d5	43.2 %			10-118						
4165-60-0	Surrogate: Nitrobenzene-d5	41.9 %			10-140						
321-60-8	Surrogate: 2-Fluorobiphenyl	39.9 %			10-126						
118-79-6	Surrogate: 2,4,6-Tribromophenol	32.5 %			10-150						
1718-51-0	Surrogate: Terphenyl-d14	48.2 %			10-137						

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	1.80	1.80	5	EPA 8081B	10/13/2014 16:18	10/14/2014 13:05	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.80	1.80	5	EPA 8081B	10/13/2014 16:18	10/14/2014 13:05	JW
50-29-3	4,4'-DDT	5.30		ug/kg dry	1.80	1.80	5	EPA 8081B	10/13/2014 16:18	10/14/2014 13:05	JW
309-00-2	Aldrin	ND		ug/kg dry	1.80	1.80	5	EPA 8081B	10/13/2014 16:18	10/14/2014 13:05	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.80	1.80	5	EPA 8081B	10/13/2014 16:18	10/14/2014 13:05	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.80	1.80	5	EPA 8081B	10/13/2014 16:18	10/14/2014 13:05	JW
57-74-9	Chlordane, total	ND		ug/kg dry	72.1	72.1	5	EPA 8081B	10/13/2014 16:18	10/14/2014 13:05	JW
5103-74-2	gamma-Chlordane	ND		ug/kg dry	1.80	1.80	5	EPA 8081B	10/13/2014 16:18	10/14/2014 13:05	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.80	1.80	5	EPA 8081B	10/13/2014 16:18	10/14/2014 13:05	JW
60-57-1	Dieldrin	ND		ug/kg dry	1.80	1.80	5	EPA 8081B	10/13/2014 16:18	10/14/2014 13:05	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.80	1.80	5	EPA 8081B	10/13/2014 16:18	10/14/2014 13:05	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	1.80	1.80	5	EPA 8081B	10/13/2014 16:18	10/14/2014 13:05	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.80	1.80	5	EPA 8081B	10/13/2014 16:18	10/14/2014 13:05	JW
72-20-8	Endrin	ND		ug/kg dry	1.80	1.80	5	EPA 8081B	10/13/2014 16:18	10/14/2014 13:05	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.80	1.80	5	EPA 8081B	10/13/2014 16:18	10/14/2014 13:05	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.80	1.80	5	EPA 8081B	10/13/2014 16:18	10/14/2014 13:05	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.80	1.80	5	EPA 8081B	10/13/2014 16:18	10/14/2014 13:05	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.80	1.80	5	EPA 8081B	10/13/2014 16:18	10/14/2014 13:05	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.80	1.80	5	EPA 8081B	10/13/2014 16:18	10/14/2014 13:05	JW
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.80	1.80	5	EPA 8081B	10/13/2014 16:18	10/14/2014 13:05	JW
72-43-5	Methoxychlor	ND		ug/kg dry	9.01	9.01	5	EPA 8081B	10/13/2014 16:18	10/14/2014 13:05	JW
8001-35-2	Toxaphene	ND		ug/kg dry	91.2	91.2	5	EPA 8081B	10/13/2014 16:18	10/14/2014 13:05	JW
	Surrogate Recoveries	Result			Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	91.2 %			30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	62.7 %			30-140						



Sample Information

Client Sample ID: SB-2 3-5' 20141009

York Sample ID: 14J0449-03

<u>York Project (SDG) No.</u> 14J0449	<u>Client Project ID</u> 560944	<u>Matrix</u> Soil	<u>Collection Date/Time</u> October 9, 2014 11:45 am	<u>Date Received</u> 10/09/2014
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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
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0182	0.0182	1	EPA 8082A	10/13/2014 16:18	10/14/2014 16:48	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0182	0.0182	1	EPA 8082A	10/13/2014 16:18	10/14/2014 16:48	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0182	0.0182	1	EPA 8082A	10/13/2014 16:18	10/14/2014 16:48	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0182	0.0182	1	EPA 8082A	10/13/2014 16:18	10/14/2014 16:48	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0182	0.0182	1	EPA 8082A	10/13/2014 16:18	10/14/2014 16:48	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0182	0.0182	1	EPA 8082A	10/13/2014 16:18	10/14/2014 16:48	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0182	0.0182	1	EPA 8082A	10/13/2014 16:18	10/14/2014 16:48	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0182	0.0182	1	EPA 8082A	10/13/2014 16:18	10/14/2014 16:48	AMC
Surrogate Recoveries		Result			Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	72.5 %			30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	53.0 %			30-140						

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	13400		mg/kg dry	1.09	1.09	1	EPA 6010C	10/13/2014 12:23	10/13/2014 21:01	MW
7440-36-0	Antimony	ND		mg/kg dry	0.546	0.546	1	EPA 6010C	10/13/2014 12:23	10/13/2014 21:01	MW
7440-38-2	Arsenic	2.92		mg/kg dry	1.09	1.09	1	EPA 6010C	10/13/2014 12:23	10/13/2014 21:01	MW
7440-39-3	Barium	64.0		mg/kg dry	1.09	1.09	1	EPA 6010C	10/13/2014 12:23	10/13/2014 21:01	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.109	0.109	1	EPA 6010C	10/13/2014 12:23	10/13/2014 21:01	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.328	0.328	1	EPA 6010C	10/13/2014 12:23	10/13/2014 21:01	MW
7440-70-2	Calcium	29100		mg/kg dry	0.546	5.46	1	EPA 6010C	10/13/2014 12:23	10/13/2014 21:01	MW
7440-47-3	Chromium	21.3		mg/kg dry	0.546	0.546	1	EPA 6010C	10/13/2014 12:23	10/13/2014 21:01	MW
7440-48-4	Cobalt	10.6		mg/kg dry	0.546	0.546	1	EPA 6010C	10/13/2014 12:23	10/13/2014 21:01	MW
7440-50-8	Copper	17.9		mg/kg dry	0.546	0.546	1	EPA 6010C	10/13/2014 12:23	10/13/2014 21:01	MW
7439-89-6	Iron	20400		mg/kg dry	2.18	2.18	1	EPA 6010C	10/13/2014 12:23	10/13/2014 21:01	MW
7439-92-1	Lead	37.8		mg/kg dry	0.328	0.328	1	EPA 6010C	10/13/2014 12:23	10/13/2014 21:01	MW
7439-95-4	Magnesium	7460		mg/kg dry	5.46	5.46	1	EPA 6010C	10/13/2014 12:23	10/13/2014 21:01	MW
7439-96-5	Manganese	477		mg/kg dry	0.546	0.546	1	EPA 6010C	10/13/2014 12:23	10/13/2014 21:01	MW
7440-02-0	Nickel	17.9		mg/kg dry	0.546	0.546	1	EPA 6010C	10/13/2014 12:23	10/13/2014 21:01	MW
7440-09-7	Potassium	2340		mg/kg dry	5.46	5.46	1	EPA 6010C	10/13/2014 12:23	10/13/2014 21:01	MW
7782-49-2	Selenium	ND		mg/kg dry	1.09	1.09	1	EPA 6010C	10/13/2014 12:23	10/13/2014 21:01	MW
7440-22-4	Silver	ND		mg/kg dry	0.546	0.546	1	EPA 6010C	10/13/2014 12:23	10/13/2014 21:01	MW
7440-23-5	Sodium	239		mg/kg dry	10.9	10.9	1	EPA 6010C	10/13/2014 12:23	10/13/2014 21:01	MW
7440-28-0	Thallium	ND		mg/kg dry	1.09	1.09	1	EPA 6010C	10/13/2014 12:23	10/13/2014 21:01	MW
7440-62-2	Vanadium	31.6		mg/kg dry	1.09	1.09	1	EPA 6010C	10/13/2014 12:23	10/13/2014 21:01	MW
7440-66-6	Zinc	55.0		mg/kg dry	1.09	1.09	1	EPA 6010C	10/13/2014 12:23	10/13/2014 21:01	MW



Sample Information

Client Sample ID: SB-2 3-5' 20141009

York Sample ID: 14J0449-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14J0449

560944

Soil

October 9, 2014 11:45 am

10/09/2014

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	0.0527		mg/kg dry	0.0328	0.0328	1	EPA 7473	10/15/2014 06:52	10/15/2014 09:26	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	91.6		%	0.100	0.100	1	SM 2540G	10/14/2014 09:13	10/14/2014 15:15	KK

Sample Information

Client Sample ID: SB-3 0-2' 20141009

York Sample ID: 14J0449-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14J0449

560944

Soil

October 9, 2014 2:45 pm

10/09/2014

Volatile Organics, TCL (Target Compound 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
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:03	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:03	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:03	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:03	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:03	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:03	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:03	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:03	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:03	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:03	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:03	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:03	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:03	SS
78-93-3	2-Butanone	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:03	SS
591-78-6	2-Hexanone	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:03	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:03	SS
67-64-1	Acetone	ND		ug/kg dry	6.6	13	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:03	SS
71-43-2	Benzene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:03	SS



Sample Information

Client Sample ID: SB-3 0-2' 20141009

York Sample ID: 14J0449-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14J0449

560944

Soil

October 9, 2014 2:45 pm

10/09/2014

Volatile Organics, TCL (Target Compound 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
75-27-4	Bromodichloromethane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:03	SS
75-25-2	Bromoform	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:03	SS
74-83-9	Bromomethane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:03	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:03	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:03	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:03	SS
75-00-3	Chloroethane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:03	SS
67-66-3	Chloroform	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:03	SS
74-87-3	Chloromethane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:03	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:03	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:03	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:03	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:03	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:03	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:03	SS
75-09-2	Methylene chloride	ND		ug/kg dry	6.6	13	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:03	SS
91-20-3	Naphthalene	ND		ug/kg dry	3.3	13	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:03	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:03	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:03	SS
95-47-6	o-Xylene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:03	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	6.6	13	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:03	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:03	SS
100-42-5	Styrene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:03	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:03	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:03	SS
108-88-3	Toluene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:03	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:03	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:03	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:03	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:03	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:03	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	9.8	20	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:03	SS
	Surrogate Recoveries	Result		Acceptance Range							
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	95.8 %		77-125							
460-00-4	Surrogate: p-Bromofluorobenzene	102 %		76-130							
2037-26-5	Surrogate: Toluene-d8	96.9 %		85-120							



Sample Information

Client Sample ID: SB-3 0-2' 20141009

York Sample ID: 14J0449-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14J0449

560944

Soil

October 9, 2014 2:45 pm

10/09/2014

Semi-Volatiles, EPA TCL 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	1710	6780	25	EPA 8270D	10/14/2014 07:29	10/15/2014 11:52	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	1710	6780	25	EPA 8270D	10/14/2014 07:29	10/15/2014 11:52	SR
120-12-7	Anthracene	1900	J	ug/kg dry	1710	6780	25	EPA 8270D	10/14/2014 07:29	10/15/2014 11:52	SR
56-55-3	Benzo(a)anthracene	5600	J	ug/kg dry	1710	6780	25	EPA 8270D	10/14/2014 07:29	10/15/2014 11:52	SR
50-32-8	Benzo(a)pyrene	2820	J	ug/kg dry	1710	6780	25	EPA 8270D	10/14/2014 07:29	10/15/2014 11:52	SR
205-99-2	Benzo(b)fluoranthene	2120	J	ug/kg dry	1710	6780	25	EPA 8270D	10/14/2014 07:29	10/15/2014 11:52	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	3420	6780	25	EPA 8270D	10/14/2014 07:29	10/15/2014 11:52	SR
65-85-0	Benzoic acid	ND		ug/kg dry	4640	13600	25	EPA 8270D	10/14/2014 07:29	10/15/2014 11:52	SR
207-08-9	Benzo(k)fluoranthene	3210	J	ug/kg dry	1710	6780	25	EPA 8270D	10/14/2014 07:29	10/15/2014 11:52	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	3420	6780	25	EPA 8270D	10/14/2014 07:29	10/15/2014 11:52	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	1710	6780	25	EPA 8270D	10/14/2014 07:29	10/15/2014 11:52	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	1710	6780	25	EPA 8270D	10/14/2014 07:29	10/15/2014 11:52	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	3420	6780	25	EPA 8270D	10/14/2014 07:29	10/15/2014 11:52	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	3420	6780	25	EPA 8270D	10/14/2014 07:29	10/15/2014 11:52	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	1710	6780	25	EPA 8270D	10/14/2014 07:29	10/15/2014 11:52	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	1710	6780	25	EPA 8270D	10/14/2014 07:29	10/15/2014 11:52	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	1710	6780	25	EPA 8270D	10/14/2014 07:29	10/15/2014 11:52	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	1710	6780	25	EPA 8270D	10/14/2014 07:29	10/15/2014 11:52	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	1710	6780	25	EPA 8270D	10/14/2014 07:29	10/15/2014 11:52	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	1710	6780	25	EPA 8270D	10/14/2014 07:29	10/15/2014 11:52	SR
218-01-9	Chrysene	6100	J	ug/kg dry	1710	6780	25	EPA 8270D	10/14/2014 07:29	10/15/2014 11:52	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	1710	6780	25	EPA 8270D	10/14/2014 07:29	10/15/2014 11:52	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	1710	6780	25	EPA 8270D	10/14/2014 07:29	10/15/2014 11:52	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	1710	6780	25	EPA 8270D	10/14/2014 07:29	10/15/2014 11:52	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1710	6780	25	EPA 8270D	10/14/2014 07:29	10/15/2014 11:52	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1710	6780	25	EPA 8270D	10/14/2014 07:29	10/15/2014 11:52	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1710	6780	25	EPA 8270D	10/14/2014 07:29	10/15/2014 11:52	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	6800	13600	25	EPA 8270D	10/14/2014 07:29	10/15/2014 11:52	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	3420	6780	25	EPA 8270D	10/14/2014 07:29	10/15/2014 11:52	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	1710	6780	25	EPA 8270D	10/14/2014 07:29	10/15/2014 11:52	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	1710	6780	25	EPA 8270D	10/14/2014 07:29	10/15/2014 11:52	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	1710	6780	25	EPA 8270D	10/14/2014 07:29	10/15/2014 11:52	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	3420	6780	25	EPA 8270D	10/14/2014 07:29	10/15/2014 11:52	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	6800	13600	25	EPA 8270D	10/14/2014 07:29	10/15/2014 11:52	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	3420	6780	25	EPA 8270D	10/14/2014 07:29	10/15/2014 11:52	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	1710	6780	25	EPA 8270D	10/14/2014 07:29	10/15/2014 11:52	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	1710	6780	25	EPA 8270D	10/14/2014 07:29	10/15/2014 11:52	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	1710	6780	25	EPA 8270D	10/14/2014 07:29	10/15/2014 11:52	SR



Sample Information

Client Sample ID: SB-3 0-2' 20141009

York Sample ID: 14J0449-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14J0449

560944

Soil

October 9, 2014 2:45 pm

10/09/2014

Semi-Volatiles, EPA TCL 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	12100		ug/kg dry	1710	6780	25	EPA 8270D	10/14/2014 07:29	10/15/2014 11:52	SR
86-73-7	Fluorene	ND		ug/kg dry	1710	6780	25	EPA 8270D	10/14/2014 07:29	10/15/2014 11:52	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	1710	6780	25	EPA 8270D	10/14/2014 07:29	10/15/2014 11:52	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1710	6780	25	EPA 8270D	10/14/2014 07:29	10/15/2014 11:52	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	3420	6780	25	EPA 8270D	10/14/2014 07:29	10/15/2014 11:52	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	1710	6780	25	EPA 8270D	10/14/2014 07:29	10/15/2014 11:52	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	1710	6780	25	EPA 8270D	10/14/2014 07:29	10/15/2014 11:52	SR
78-59-1	Isophorone	ND		ug/kg dry	1710	6780	25	EPA 8270D	10/14/2014 07:29	10/15/2014 11:52	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	1710	6780	25	EPA 8270D	10/14/2014 07:29	10/15/2014 11:52	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	3420	6780	25	EPA 8270D	10/14/2014 07:29	10/15/2014 11:52	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	3420	6780	25	EPA 8270D	10/14/2014 07:29	10/15/2014 11:52	SR
91-20-3	Naphthalene	ND		ug/kg dry	1710	6780	25	EPA 8270D	10/14/2014 07:29	10/15/2014 11:52	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	3420	6780	25	EPA 8270D	10/14/2014 07:29	10/15/2014 11:52	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	1710	6780	25	EPA 8270D	10/14/2014 07:29	10/15/2014 11:52	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	3420	6780	25	EPA 8270D	10/14/2014 07:29	10/15/2014 11:52	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	1710	6780	25	EPA 8270D	10/14/2014 07:29	10/15/2014 11:52	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	1710	6780	25	EPA 8270D	10/14/2014 07:29	10/15/2014 11:52	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	3420	6780	25	EPA 8270D	10/14/2014 07:29	10/15/2014 11:52	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	1710	6780	25	EPA 8270D	10/14/2014 07:29	10/15/2014 11:52	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	1710	6780	25	EPA 8270D	10/14/2014 07:29	10/15/2014 11:52	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	3420	6780	25	EPA 8270D	10/14/2014 07:29	10/15/2014 11:52	SR
85-01-8	Phenanthrene	9320		ug/kg dry	1710	6780	25	EPA 8270D	10/14/2014 07:29	10/15/2014 11:52	SR
108-95-2	Phenol	ND		ug/kg dry	1710	6780	25	EPA 8270D	10/14/2014 07:29	10/15/2014 11:52	SR
129-00-0	Pyrene	13300		ug/kg dry	1710	6780	25	EPA 8270D	10/14/2014 07:29	10/15/2014 11:52	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1710	6780	25	EPA 8270D	10/14/2014 07:29	10/15/2014 11:52	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	1710	6780	25	EPA 8270D	10/14/2014 07:29	10/15/2014 11:52	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	1710	6780	25	EPA 8270D	10/14/2014 07:29	10/15/2014 11:52	SR
	Surrogate Recoveries	Result			Acceptance Range						
367-12-4	Surrogate: 2-Fluorophenol	43.5 %			10-105						
4165-62-2	Surrogate: Phenol-d5	57.9 %			10-118						
4165-60-0	Surrogate: Nitrobenzene-d5	49.4 %			10-140						
321-60-8	Surrogate: 2-Fluorobiphenyl	78.7 %			10-126						
118-79-6	Surrogate: 2,4,6-Tribromophenol	54.2 %			10-150						
1718-51-0	Surrogate: Terphenyl-d14	84.7 %			10-137						



Sample Information

Client Sample ID: SB-3 0-2' 20141009

York Sample ID: 14J0449-04

<u>York Project (SDG) No.</u> 14J0449	<u>Client Project ID</u> 560944	<u>Matrix</u> Soil	<u>Collection Date/Time</u> October 9, 2014 2:45 pm	<u>Date Received</u> 10/09/2014
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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	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
						LOQ					
72-54-8	4,4'-DDD	ND		ug/kg dry	1.79	1.79	5	EPA 8081B	10/13/2014 16:18	10/14/2014 13:21	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.79	1.79	5	EPA 8081B	10/13/2014 16:18	10/14/2014 13:21	JW
50-29-3	4,4'-DDT	14.6		ug/kg dry	1.79	1.79	5	EPA 8081B	10/13/2014 16:18	10/14/2014 13:21	JW
309-00-2	Aldrin	ND		ug/kg dry	1.79	1.79	5	EPA 8081B	10/13/2014 16:18	10/14/2014 13:21	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.79	1.79	5	EPA 8081B	10/13/2014 16:18	10/14/2014 13:21	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.79	1.79	5	EPA 8081B	10/13/2014 16:18	10/14/2014 13:21	JW
57-74-9	Chlordane, total	368		ug/kg dry	71.6	71.6	5	EPA 8081B	10/13/2014 16:18	10/14/2014 13:21	JW
5103-74-2	gamma-Chlordane	31.4		ug/kg dry	1.79	1.79	5	EPA 8081B	10/13/2014 16:18	10/14/2014 13:21	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.79	1.79	5	EPA 8081B	10/13/2014 16:18	10/14/2014 13:21	JW
60-57-1	Dieldrin	7.79		ug/kg dry	1.79	1.79	5	EPA 8081B	10/13/2014 16:18	10/14/2014 13:21	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.79	1.79	5	EPA 8081B	10/13/2014 16:18	10/14/2014 13:21	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	1.79	1.79	5	EPA 8081B	10/13/2014 16:18	10/14/2014 13:21	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.79	1.79	5	EPA 8081B	10/13/2014 16:18	10/14/2014 13:21	JW
72-20-8	Endrin	ND		ug/kg dry	1.79	1.79	5	EPA 8081B	10/13/2014 16:18	10/14/2014 13:21	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.79	1.79	5	EPA 8081B	10/13/2014 16:18	10/14/2014 13:21	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.79	1.79	5	EPA 8081B	10/13/2014 16:18	10/14/2014 13:21	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.79	1.79	5	EPA 8081B	10/13/2014 16:18	10/14/2014 13:21	JW
76-44-8	Heptachlor	1.80		ug/kg dry	1.79	1.79	5	EPA 8081B	10/13/2014 16:18	10/14/2014 13:21	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.79	1.79	5	EPA 8081B	10/13/2014 16:18	10/14/2014 13:21	JW
5103-71-9	alpha-Chlordane	31.4		ug/kg dry	1.79	1.79	5	EPA 8081B	10/13/2014 16:18	10/14/2014 13:21	JW
72-43-5	Methoxychlor	ND		ug/kg dry	8.95	8.95	5	EPA 8081B	10/13/2014 16:18	10/14/2014 13:21	JW
8001-35-2	Toxaphene	ND		ug/kg dry	90.6	90.6	5	EPA 8081B	10/13/2014 16:18	10/14/2014 13:21	JW
Surrogate Recoveries		Result			Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	68.7 %			30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	61.2 %			30-140						



Sample Information

Client Sample ID: SB-3 0-2' 20141009

York Sample ID: 14J0449-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14J0449

560944

Soil

October 9, 2014 2:45 pm

10/09/2014

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	10/13/2014 16:18	10/14/2014 17:17	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0181	0.0181	1	EPA 8082A	10/13/2014 16:18	10/14/2014 17:17	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0181	0.0181	1	EPA 8082A	10/13/2014 16:18	10/14/2014 17:17	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0181	0.0181	1	EPA 8082A	10/13/2014 16:18	10/14/2014 17:17	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0181	0.0181	1	EPA 8082A	10/13/2014 16:18	10/14/2014 17:17	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0181	0.0181	1	EPA 8082A	10/13/2014 16:18	10/14/2014 17:17	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0181	0.0181	1	EPA 8082A	10/13/2014 16:18	10/14/2014 17:17	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0181	0.0181	1	EPA 8082A	10/13/2014 16:18	10/14/2014 17:17	AMC
Surrogate Recoveries		Result			Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	66.5 %			30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	55.5 %			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	7320		mg/kg dry	1.09	1.09	1	EPA 6010C	10/13/2014 12:23	10/13/2014 21:06	MW
7440-36-0	Antimony	2.11		mg/kg dry	0.543	0.543	1	EPA 6010C	10/13/2014 12:23	10/13/2014 21:06	MW
7440-38-2	Arsenic	4.14		mg/kg dry	1.09	1.09	1	EPA 6010C	10/13/2014 12:23	10/13/2014 21:06	MW
7440-39-3	Barium	304		mg/kg dry	1.09	1.09	1	EPA 6010C	10/13/2014 12:23	10/13/2014 21:06	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.109	0.109	1	EPA 6010C	10/13/2014 12:23	10/13/2014 21:06	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.326	0.326	1	EPA 6010C	10/13/2014 12:23	10/13/2014 21:06	MW
7440-70-2	Calcium	32800		mg/kg dry	0.543	5.43	1	EPA 6010C	10/13/2014 12:23	10/13/2014 21:06	MW
7440-47-3	Chromium	16.2		mg/kg dry	0.543	0.543	1	EPA 6010C	10/13/2014 12:23	10/13/2014 21:06	MW
7440-48-4	Cobalt	6.35		mg/kg dry	0.543	0.543	1	EPA 6010C	10/13/2014 12:23	10/13/2014 21:06	MW
7440-50-8	Copper	31.0		mg/kg dry	0.543	0.543	1	EPA 6010C	10/13/2014 12:23	10/13/2014 21:06	MW
7439-89-6	Iron	12900		mg/kg dry	2.17	2.17	1	EPA 6010C	10/13/2014 12:23	10/13/2014 21:06	MW
7439-92-1	Lead	313		mg/kg dry	0.326	0.326	1	EPA 6010C	10/13/2014 12:23	10/13/2014 21:06	MW
7439-95-4	Magnesium	10900		mg/kg dry	5.43	5.43	1	EPA 6010C	10/13/2014 12:23	10/13/2014 21:06	MW
7439-96-5	Manganese	246		mg/kg dry	0.543	0.543	1	EPA 6010C	10/13/2014 12:23	10/13/2014 21:06	MW
7440-02-0	Nickel	14.5		mg/kg dry	0.543	0.543	1	EPA 6010C	10/13/2014 12:23	10/13/2014 21:06	MW
7440-09-7	Potassium	1390		mg/kg dry	5.43	5.43	1	EPA 6010C	10/13/2014 12:23	10/13/2014 21:06	MW
7782-49-2	Selenium	ND		mg/kg dry	1.09	1.09	1	EPA 6010C	10/13/2014 12:23	10/13/2014 21:06	MW
7440-22-4	Silver	ND		mg/kg dry	0.543	0.543	1	EPA 6010C	10/13/2014 12:23	10/13/2014 21:06	MW
7440-23-5	Sodium	187		mg/kg dry	10.9	10.9	1	EPA 6010C	10/13/2014 12:23	10/13/2014 21:06	MW
7440-28-0	Thallium	ND		mg/kg dry	1.09	1.09	1	EPA 6010C	10/13/2014 12:23	10/13/2014 21:06	MW
7440-62-2	Vanadium	23.6		mg/kg dry	1.09	1.09	1	EPA 6010C	10/13/2014 12:23	10/13/2014 21:06	MW
7440-66-6	Zinc	204		mg/kg dry	1.09	1.09	1	EPA 6010C	10/13/2014 12:23	10/13/2014 21:06	MW



Sample Information

Client Sample ID: SB-3 0-2' 20141009

York Sample ID: 14J0449-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14J0449

560944

Soil

October 9, 2014 2:45 pm

10/09/2014

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	0.254		mg/kg dry	0.0326	0.0326	1	EPA 7473	10/15/2014 06:52	10/15/2014 09:35	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	92.2		%	0.100	0.100	1	SM 2540G	10/14/2014 09:13	10/14/2014 15:15	KK

Sample Information

Client Sample ID: SB-3 7-9' 20141009

York Sample ID: 14J0449-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14J0449

560944

Soil

October 9, 2014 2:50 pm

10/09/2014

Volatile Organics, TCL (Target Compound 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
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:43	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:43	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:43	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:43	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:43	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:43	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:43	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:43	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:43	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:43	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:43	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:43	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:43	SS
78-93-3	2-Butanone	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:43	SS
591-78-6	2-Hexanone	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:43	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:43	SS
67-64-1	Acetone	ND		ug/kg dry	4.3	8.7	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:43	SS
71-43-2	Benzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:43	SS



Sample Information

Client Sample ID: SB-3 7-9' 20141009

York Sample ID: 14J0449-05

<u>York Project (SDG) No.</u> 14J0449	<u>Client Project ID</u> 560944	<u>Matrix</u> Soil	<u>Collection Date/Time</u> October 9, 2014 2:50 pm	<u>Date Received</u> 10/09/2014
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Volatile Organics, TCL (Target Compound 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
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:43	SS
75-25-2	Bromoform	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:43	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:43	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:43	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:43	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:43	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:43	SS
67-66-3	Chloroform	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:43	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:43	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:43	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:43	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:43	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:43	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:43	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:43	SS
75-09-2	Methylene chloride	ND		ug/kg dry	4.3	8.7	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:43	SS
91-20-3	Naphthalene	ND		ug/kg dry	2.2	8.7	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:43	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:43	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:43	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:43	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.3	8.7	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:43	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:43	SS
100-42-5	Styrene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:43	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:43	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:43	SS
108-88-3	Toluene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:43	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:43	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:43	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:43	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:43	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:43	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	6.5	13	1	EPA 8260C	10/14/2014 08:21	10/14/2014 14:43	SS
	Surrogate Recoveries	Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	97.3 %			77-125						
460-00-4	Surrogate: p-Bromofluorobenzene	98.6 %			76-130						
2037-26-5	Surrogate: Toluene-d8	98.7 %			85-120						



Sample Information

Client Sample ID: SB-3 7-9' 20141009

York Sample ID: 14J0449-05

<u>York Project (SDG) No.</u> 14J0449	<u>Client Project ID</u> 560944	<u>Matrix</u> Soil	<u>Collection Date/Time</u> October 9, 2014 2:50 pm	<u>Date Received</u> 10/09/2014
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Semi-Volatiles, EPA TCL 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	45.4	180	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:34	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	45.4	180	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:34	KH
120-12-7	Anthracene	ND		ug/kg dry	45.4	180	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:34	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	45.4	180	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:34	KH
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	45.4	180	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:34	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	45.4	180	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:34	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	90.9	180	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:34	KH
65-85-0	Benzoic acid	ND		ug/kg dry	123	361	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:34	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	45.4	180	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:34	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	90.9	180	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:34	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	45.4	180	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:34	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	45.4	180	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:34	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	90.9	180	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:34	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	90.9	180	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:34	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	45.4	180	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:34	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	45.4	180	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:34	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	45.4	180	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:34	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	45.4	180	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:34	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	45.4	180	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:34	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	45.4	180	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:34	KH
218-01-9	Chrysene	ND		ug/kg dry	45.4	180	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:34	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	45.4	180	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:34	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	45.4	180	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:34	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	45.4	180	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:34	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	45.4	180	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:34	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	45.4	180	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:34	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	45.4	180	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:34	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	181	360	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:34	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	90.9	180	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:34	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	45.4	180	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:34	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	45.4	180	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:34	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	45.4	180	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:34	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	90.9	180	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:34	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	181	361	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:34	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	90.9	180	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:34	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	45.4	180	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:34	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	45.4	180	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:34	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	45.4	180	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:34	KH



Sample Information

Client Sample ID: SB-3 7-9' 20141009

York Sample ID: 14J0449-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14J0449

560944

Soil

October 9, 2014 2:50 pm

10/09/2014

Semi-Volatiles, EPA TCL 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	45.4	180	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:34	KH
86-73-7	Fluorene	ND		ug/kg dry	45.4	180	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:34	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	45.4	180	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:34	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	45.4	180	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:34	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	90.9	180	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:34	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	45.4	180	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:34	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	45.4	180	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:34	KH
78-59-1	Isophorone	ND		ug/kg dry	45.4	180	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:34	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	45.4	180	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:34	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	90.9	180	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:34	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	90.9	180	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:34	KH
91-20-3	Naphthalene	ND		ug/kg dry	45.4	180	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:34	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	90.9	180	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:34	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	45.4	180	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:34	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	90.9	180	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:34	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	45.4	180	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:34	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	45.4	180	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:34	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	90.9	180	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:34	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	45.4	180	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:34	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	45.4	180	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:34	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	90.9	180	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:34	KH
85-01-8	Phenanthrene	ND		ug/kg dry	45.4	180	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:34	KH
108-95-2	Phenol	ND		ug/kg dry	45.4	180	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:34	KH
129-00-0	Pyrene	ND		ug/kg dry	45.4	180	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:34	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	45.4	180	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:34	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	45.4	180	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:34	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	45.4	180	1	EPA 8270D	10/14/2014 07:29	10/14/2014 18:34	KH
	Surrogate Recoveries	Result			Acceptance Range						
367-12-4	Surrogate: 2-Fluorophenol	36.1 %			10-105						
4165-62-2	Surrogate: Phenol-d5	39.9 %			10-118						
4165-60-0	Surrogate: Nitrobenzene-d5	36.5 %			10-140						
321-60-8	Surrogate: 2-Fluorobiphenyl	35.3 %			10-126						
118-79-6	Surrogate: 2,4,6-Tribromophenol	38.8 %			10-150						
1718-51-0	Surrogate: Terphenyl-d14	49.4 %			10-137						



Sample Information

Client Sample ID: SB-3 7-9' 20141009

York Sample ID: 14J0449-05

<u>York Project (SDG) No.</u> 14J0449	<u>Client Project ID</u> 560944	<u>Matrix</u> Soil	<u>Collection Date/Time</u> October 9, 2014 2:50 pm	<u>Date Received</u> 10/09/2014
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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		Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
						LOQ						
72-54-8	4,4'-DDD	ND		ug/kg dry	1.79	1.79		5	EPA 8081B	10/13/2014 16:18	10/14/2014 13:37	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.79	1.79		5	EPA 8081B	10/13/2014 16:18	10/14/2014 13:37	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.79	1.79		5	EPA 8081B	10/13/2014 16:18	10/14/2014 13:37	JW
309-00-2	Aldrin	ND		ug/kg dry	1.79	1.79		5	EPA 8081B	10/13/2014 16:18	10/14/2014 13:37	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.79	1.79		5	EPA 8081B	10/13/2014 16:18	10/14/2014 13:37	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.79	1.79		5	EPA 8081B	10/13/2014 16:18	10/14/2014 13:37	JW
57-74-9	Chlordane, total	ND		ug/kg dry	71.4	71.4		5	EPA 8081B	10/13/2014 16:18	10/14/2014 13:37	JW
5103-74-2	gamma-Chlordane	ND		ug/kg dry	1.79	1.79		5	EPA 8081B	10/13/2014 16:18	10/14/2014 13:37	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.79	1.79		5	EPA 8081B	10/13/2014 16:18	10/14/2014 13:37	JW
60-57-1	Dieldrin	ND		ug/kg dry	1.79	1.79		5	EPA 8081B	10/13/2014 16:18	10/14/2014 13:37	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.79	1.79		5	EPA 8081B	10/13/2014 16:18	10/14/2014 13:37	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	1.79	1.79		5	EPA 8081B	10/13/2014 16:18	10/14/2014 13:37	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.79	1.79		5	EPA 8081B	10/13/2014 16:18	10/14/2014 13:37	JW
72-20-8	Endrin	ND		ug/kg dry	1.79	1.79		5	EPA 8081B	10/13/2014 16:18	10/14/2014 13:37	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.79	1.79		5	EPA 8081B	10/13/2014 16:18	10/14/2014 13:37	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.79	1.79		5	EPA 8081B	10/13/2014 16:18	10/14/2014 13:37	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.79	1.79		5	EPA 8081B	10/13/2014 16:18	10/14/2014 13:37	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.79	1.79		5	EPA 8081B	10/13/2014 16:18	10/14/2014 13:37	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.79	1.79		5	EPA 8081B	10/13/2014 16:18	10/14/2014 13:37	JW
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.79	1.79		5	EPA 8081B	10/13/2014 16:18	10/14/2014 13:37	JW
72-43-5	Methoxychlor	ND		ug/kg dry	8.93	8.93		5	EPA 8081B	10/13/2014 16:18	10/14/2014 13:37	JW
8001-35-2	Toxaphene	ND		ug/kg dry	90.4	90.4		5	EPA 8081B	10/13/2014 16:18	10/14/2014 13:37	JW
Surrogate Recoveries		Result			Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	99.5 %			30-140							
2051-24-3	Surrogate: Decachlorobiphenyl	61.7 %			30-140							



Sample Information

Client Sample ID: SB-3 7-9' 20141009

York Sample ID: 14J0449-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14J0449

560944

Soil

October 9, 2014 2:50 pm

10/09/2014

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	0.0180	0.0180	1	EPA 8082A	10/13/2014 16:18	10/14/2014 17:47	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0180	0.0180	1	EPA 8082A	10/13/2014 16:18	10/14/2014 17:47	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0180	0.0180	1	EPA 8082A	10/13/2014 16:18	10/14/2014 17:47	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0180	0.0180	1	EPA 8082A	10/13/2014 16:18	10/14/2014 17:47	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0180	0.0180	1	EPA 8082A	10/13/2014 16:18	10/14/2014 17:47	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0180	0.0180	1	EPA 8082A	10/13/2014 16:18	10/14/2014 17:47	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0180	0.0180	1	EPA 8082A	10/13/2014 16:18	10/14/2014 17:47	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0180	0.0180	1	EPA 8082A	10/13/2014 16:18	10/14/2014 17:47	AMC
	Surrogate Recoveries	Result				Acceptance Range					
877-09-8	Surrogate: Tetrachloro-m-xylene	77.0 %				30-140					
2051-24-3	Surrogate: Decachlorobiphenyl	49.5 %				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	11300		mg/kg dry	1.08	1.08	1	EPA 6010C	10/13/2014 12:23	10/13/2014 21:10	MW
7440-36-0	Antimony	ND		mg/kg dry	0.541	0.541	1	EPA 6010C	10/13/2014 12:23	10/13/2014 21:10	MW
7440-38-2	Arsenic	1.82		mg/kg dry	1.08	1.08	1	EPA 6010C	10/13/2014 12:23	10/13/2014 21:10	MW
7440-39-3	Barium	88.6		mg/kg dry	1.08	1.08	1	EPA 6010C	10/13/2014 12:23	10/13/2014 21:10	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.108	0.108	1	EPA 6010C	10/13/2014 12:23	10/13/2014 21:10	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.325	0.325	1	EPA 6010C	10/13/2014 12:23	10/13/2014 21:10	MW
7440-70-2	Calcium	4980		mg/kg dry	0.541	5.41	1	EPA 6010C	10/13/2014 12:23	10/13/2014 21:10	MW
7440-47-3	Chromium	25.6		mg/kg dry	0.541	0.541	1	EPA 6010C	10/13/2014 12:23	10/13/2014 21:10	MW
7440-48-4	Cobalt	13.3		mg/kg dry	0.541	0.541	1	EPA 6010C	10/13/2014 12:23	10/13/2014 21:10	MW
7440-50-8	Copper	22.4		mg/kg dry	0.541	0.541	1	EPA 6010C	10/13/2014 12:23	10/13/2014 21:10	MW
7439-89-6	Iron	21800		mg/kg dry	2.16	2.16	1	EPA 6010C	10/13/2014 12:23	10/13/2014 21:10	MW
7439-92-1	Lead	7.68		mg/kg dry	0.325	0.325	1	EPA 6010C	10/13/2014 12:23	10/13/2014 21:10	MW
7439-95-4	Magnesium	7190		mg/kg dry	5.41	5.41	1	EPA 6010C	10/13/2014 12:23	10/13/2014 21:10	MW
7439-96-5	Manganese	274		mg/kg dry	0.541	0.541	1	EPA 6010C	10/13/2014 12:23	10/13/2014 21:10	MW
7440-02-0	Nickel	23.7		mg/kg dry	0.541	0.541	1	EPA 6010C	10/13/2014 12:23	10/13/2014 21:10	MW
7440-09-7	Potassium	3470		mg/kg dry	5.41	5.41	1	EPA 6010C	10/13/2014 12:23	10/13/2014 21:10	MW
7782-49-2	Selenium	ND		mg/kg dry	1.08	1.08	1	EPA 6010C	10/13/2014 12:23	10/13/2014 21:10	MW
7440-22-4	Silver	ND		mg/kg dry	0.541	0.541	1	EPA 6010C	10/13/2014 12:23	10/13/2014 21:10	MW
7440-23-5	Sodium	388		mg/kg dry	10.8	10.8	1	EPA 6010C	10/13/2014 12:23	10/13/2014 21:10	MW
7440-28-0	Thallium	ND		mg/kg dry	1.08	1.08	1	EPA 6010C	10/13/2014 12:23	10/13/2014 21:10	MW
7440-62-2	Vanadium	34.1		mg/kg dry	1.08	1.08	1	EPA 6010C	10/13/2014 12:23	10/13/2014 21:10	MW
7440-66-6	Zinc	65.3		mg/kg dry	1.08	1.08	1	EPA 6010C	10/13/2014 12:23	10/13/2014 21:10	MW



Sample Information

Client Sample ID: SB-3 7-9' 20141009

York Sample ID: 14J0449-05

<u>York Project (SDG) No.</u> 14J0449	<u>Client Project ID</u> 560944	<u>Matrix</u> Soil	<u>Collection Date/Time</u> October 9, 2014 2:50 pm	<u>Date Received</u> 10/09/2014
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Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0325	0.0325	1	EPA 7473	10/15/2014 06:52	10/15/2014 09:45	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	92.4		%	0.100	0.100	1	SM 2540G	10/14/2014 09:13	10/14/2014 15:15	KK



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
14J0449-01	SB MW-1 0-2' 20141009	40mL Vial with Stir Bar-Cool 4° C
14J0449-02	SB-2 0-2' 20141009	40mL Vial with Stir Bar-Cool 4° C
14J0449-03	SB-2 3-5' 20141009	40mL Vial with Stir Bar-Cool 4° C
14J0449-04	SB-3 0-2' 20141009	40mL Vial with Stir Bar-Cool 4° C
14J0449-05	SB-3 7-9' 20141009	40mL Vial with Stir Bar-Cool 4° C



Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interferences.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data are acceptable.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
M-BCCB	Analyte in CCB > 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.
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.



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. 1410449

YOUR Information		Report To:		Invoice To:		YOUR Project ID		Turn-Around Time		Report Type	
Company: <u>PVE Shaffer</u>		Company: <u>" "</u>		Company: <u>" "</u>		<u>560944</u>		RUSH - Same Day <input type="checkbox"/>		Summary Report _____	
Address: <u>One Civic Center Plaza</u>		Address: _____		Address: _____		Purchase Order No. _____		RUSH - Next Day <input type="checkbox"/>		Summary w/ QA Summary _____	
Phone No. <u>845-454-2544</u>		Phone No. _____		Phone No. _____		_____		RUSH - Two Day <input type="checkbox"/>		CT RCP Package _____	
Contact Person: <u>Conor Tambell</u>		Attention: _____		Attention: _____		_____		RUSH - Three Day <input type="checkbox"/>		CTRCP DQA/DUE Pkg _____	
E-Mail Address: <u>ctambell@pveshaffer.com</u>		E-Mail Address: _____		E-Mail Address: _____		Samples from: CT ___ NY <input checked="" type="checkbox"/> NJ ___		RUSH - Four Day <input type="checkbox"/>		NY ASP A Package _____	
								Standard(5-7 Days) <input checked="" type="checkbox"/>		NY ASP B Package _____	
										NJDEP Red. Deliv. _____	
										Electronic Data Deliverables (EDD)	

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.

[Signature]
Samples Collected/Authorized By (Signature)

Conor Tambell
Name (printed)

Volatiles	Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists	Misc.
8260 full TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.	Corrosivity
624 Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics	Reactivity
STARS list Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL MetCN	Ignitability
BTEX Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP	Flash Point
MTBE Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX	Sieve Anal.
TCL list Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part 360-Routine	Heterotrophs
TAGM list TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part 360-Baseline	TOX
CT RCP list	TCL list	TCLP Pest	Dissolved	Air STARS	Part 360-Expanded No. Detec. Form	BTU/lb.
Arom. only 502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part 360-Expanded Full List	Aquatic Tox.
Halog. only NJDEP list	App. IX	Chlordane	Indiv. Metals	Air TICs	NYCDEP Sewer	TOC
App. IX list SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer	Asbestos
8021B list	SPLP or TCLP	608 PCB		Helium	TAGM	Silica

Sample Identification	Date/Time Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
SB MW-1 0-2' 20141009	10/9/14 1115	S	TCL VOLS, TCL SVOLS, Pest, PCBs & TAL METALS	5035 ? 802
SB MW-1 0-2' 20141009	1115	S		802 ? 5035
SB-2 0-2' 20141009	10/9/14 1150	S		5035 ? 802
SB-2 3-5' 20141009	1145			
SB-3 0-2' 20141009	1445			
SB-3 7-9' 20141009	1450			

Comments	Preservation	4°C ___ Frozen ___ HCl ___ MeOH ___ HNO ₃ ___ H ₂ SO ₄ ___ NaOH ___	Temperature on Receipt
	Check those Applicable	InAc ___ Ascorbic Acid ___ Other ___	
	Special Instructions		
Field Filtered <input type="checkbox"/>	Samples Relinquished By <u>[Signature]</u> 10/9/14 4PM	Date/Time	Samples Received By <u>[Signature]</u> 10/9/14 4PM
Lab to Filter <input type="checkbox"/>	Samples Relinquished By _____	Date/Time	Samples Received in LAB by <u>TC Yuhel</u> 10/9/14 1847



Technical Report

prepared for:

PVE Sheffler
1 Civic Center Plaza, Suite 501
Poughkeepsie NY, 12601
Attention: Conor Tarbell

Report Date: 10/15/2014
Client Project ID: 560944
York Project (SDG) No.: 14J0465

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 10/15/2014
Client Project ID: 560944
York Project (SDG) No.: 14J0465

PVE Sheffler
1 Civic Center Plaza, Suite 501
Poughkeepsie NY, 12601
Attention: Conor Tarbell

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 October 10, 2014 and listed below. The project was identified as your project: **560944**.

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>
14J0465-01	SV-3	Soil Vapor	10/10/2014	10/10/2014
14J0465-02	SV-2	Soil Vapor	10/10/2014	10/10/2014
14J0465-03	SV-7	Soil Vapor	10/10/2014	10/10/2014

General Notes for York Project (SDG) No.: 14J0465

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: 10/15/2014





Sample Information

Client Sample ID: SV-3

York Sample ID: 14J0465-01

<u>York Project (SDG) No.</u> 14J0465	<u>Client Project ID</u> 560944	<u>Matrix</u> Soil Vapor	<u>Collection Date/Time</u> October 10, 2014 10:39 am	<u>Date Received</u> 10/10/2014
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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
75-01-4	Vinyl Chloride	ND		ug/m ³	1.1	1.1	17.38	EPA TO-15	10/13/2014 14:47	10/14/2014 21:06	ALD
108-05-4	Vinyl acetate	ND		ug/m ³	6.1	6.1	17.38	EPA TO-15	10/13/2014 14:47	10/14/2014 21:06	ALD
79-01-6	Trichloroethylene	ND		ug/m ³	2.3	2.3	17.38	EPA TO-15	10/13/2014 14:47	10/14/2014 21:06	ALD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	7.9	7.9	17.38	EPA TO-15	10/13/2014 14:47	10/14/2014 21:06	ALD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	6.9	6.9	17.38	EPA TO-15	10/13/2014 14:47	10/14/2014 21:06	ALD
108-88-3	Toluene	ND		ug/m ³	6.5	6.5	17.38	EPA TO-15	10/13/2014 14:47	10/14/2014 21:06	ALD
109-99-9	* Tetrahydrofuran	ND		ug/m ³	5.1	5.1	17.38	EPA TO-15	10/13/2014 14:47	10/14/2014 21:06	ALD
127-18-4	Tetrachloroethylene	7.1		ug/m ³	2.9	2.9	17.38	EPA TO-15	10/13/2014 14:47	10/14/2014 21:06	ALD
100-42-5	Styrene	ND		ug/m ³	7.4	7.4	17.38	EPA TO-15	10/13/2014 14:47	10/14/2014 21:06	ALD
115-07-1	* Propylene	ND		ug/m ³	3.0	3.0	17.38	EPA TO-15	10/13/2014 14:47	10/14/2014 21:06	ALD
622-96-8	* p-Ethyltoluene	ND		ug/m ³	8.5	8.5	17.38	EPA TO-15	10/13/2014 14:47	10/14/2014 21:06	ALD
179601-23-1	p- & m- Xylenes	20		ug/m ³	15	15	17.38	EPA TO-15	10/13/2014 14:47	10/14/2014 21:06	ALD
95-47-6	o-Xylene	8.3		ug/m ³	7.5	7.5	17.38	EPA TO-15	10/13/2014 14:47	10/14/2014 21:06	ALD
110-54-3	n-Hexane	85		ug/m ³	6.1	6.1	17.38	EPA TO-15	10/13/2014 14:47	10/14/2014 21:06	ALD
142-82-5	n-Heptane	65		ug/m ³	7.1	7.1	17.38	EPA TO-15	10/13/2014 14:47	10/14/2014 21:06	ALD
75-09-2	Methylene chloride	13		ug/m ³	12	12	17.38	EPA TO-15	10/13/2014 14:47	10/14/2014 21:06	ALD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	6.3	6.3	17.38	EPA TO-15	10/13/2014 14:47	10/14/2014 21:06	ALD
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	7.1	7.1	17.38	EPA TO-15	10/13/2014 14:47	10/14/2014 21:06	ALD
67-63-0	Isopropanol	ND		ug/m ³	8.5	8.5	17.38	EPA TO-15	10/13/2014 14:47	10/14/2014 21:06	ALD
87-68-3	Hexachlorobutadiene	ND		ug/m ³	19	19	17.38	EPA TO-15	10/13/2014 14:47	10/14/2014 21:06	ALD
100-41-4	Ethyl Benzene	ND		ug/m ³	7.5	7.5	17.38	EPA TO-15	10/13/2014 14:47	10/14/2014 21:06	ALD
141-78-6	* Ethyl acetate	ND		ug/m ³	13	13	17.38	EPA TO-15	10/13/2014 14:47	10/14/2014 21:06	ALD
110-82-7	Cyclohexane	16		ug/m ³	6.0	6.0	17.38	EPA TO-15	10/13/2014 14:47	10/14/2014 21:06	ALD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	7.9	7.9	17.38	EPA TO-15	10/13/2014 14:47	10/14/2014 21:06	ALD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	6.9	6.9	17.38	EPA TO-15	10/13/2014 14:47	10/14/2014 21:06	ALD
74-87-3	Chloromethane	ND		ug/m ³	3.6	3.6	17.38	EPA TO-15	10/13/2014 14:47	10/14/2014 21:06	ALD
67-66-3	Chloroform	22		ug/m ³	8.5	8.5	17.38	EPA TO-15	10/13/2014 14:47	10/14/2014 21:06	ALD
75-00-3	Chloroethane	ND		ug/m ³	4.6	4.6	17.38	EPA TO-15	10/13/2014 14:47	10/14/2014 21:06	ALD
56-23-5	Carbon tetrachloride	20		ug/m ³	2.7	2.7	17.38	EPA TO-15	10/13/2014 14:47	10/14/2014 21:06	ALD
75-15-0	Carbon disulfide	49		ug/m ³	5.4	5.4	17.38	EPA TO-15	10/13/2014 14:47	10/14/2014 21:06	ALD
74-83-9	Bromomethane	ND		ug/m ³	6.7	6.7	17.38	EPA TO-15	10/13/2014 14:47	10/14/2014 21:06	ALD
75-25-2	Bromoform	ND		ug/m ³	18	18	17.38	EPA TO-15	10/13/2014 14:47	10/14/2014 21:06	ALD
75-27-4	Bromodichloromethane	ND		ug/m ³	11	11	17.38	EPA TO-15	10/13/2014 14:47	10/14/2014 21:06	ALD
100-44-7	Benzyl chloride	ND		ug/m ³	9.0	9.0	17.38	EPA TO-15	10/13/2014 14:47	10/14/2014 21:06	ALD
71-43-2	Benzene	21		ug/m ³	5.6	5.6	17.38	EPA TO-15	10/13/2014 14:47	10/14/2014 21:06	ALD
67-64-1	Acetone	84		ug/m ³	4.1	4.1	17.38	EPA TO-15	10/13/2014 14:47	10/14/2014 21:06	ALD
591-78-6	* 2-Hexanone	ND		ug/m ³	14	14	17.38	EPA TO-15	10/13/2014 14:47	10/14/2014 21:06	ALD
78-93-3	2-Butanone	9.2		ug/m ³	5.1	5.1	17.38	EPA TO-15	10/13/2014 14:47	10/14/2014 21:06	ALD



Sample Information

Client Sample ID: SV-3

York Sample ID: 14J0465-01

<u>York Project (SDG) No.</u> 14J0465	<u>Client Project ID</u> 560944	<u>Matrix</u> Soil Vapor	<u>Collection Date/Time</u> October 10, 2014 10:39 am	<u>Date Received</u> 10/10/2014
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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	Reported to		Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
					LOD/MDL	LOQ					
123-91-1	1,4-Dioxane	ND		ug/m ³	6.3	6.3	17.38	EPA TO-15	10/13/2014 14:47	10/14/2014 21:06	ALD
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	10	10	17.38	EPA TO-15	10/13/2014 14:47	10/14/2014 21:06	ALD
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	10	10	17.38	EPA TO-15	10/13/2014 14:47	10/14/2014 21:06	ALD
106-99-0	1,3-Butadiene	68		ug/m ³	7.5	7.5	17.38	EPA TO-15	10/13/2014 14:47	10/14/2014 21:06	ALD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	8.5	8.5	17.38	EPA TO-15	10/13/2014 14:47	10/14/2014 21:06	ALD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	12	12	17.38	EPA TO-15	10/13/2014 14:47	10/14/2014 21:06	ALD
78-87-5	1,2-Dichloropropane	ND		ug/m ³	8.0	8.0	17.38	EPA TO-15	10/13/2014 14:47	10/14/2014 21:06	ALD
107-06-2	1,2-Dichloroethane	ND		ug/m ³	7.0	7.0	17.38	EPA TO-15	10/13/2014 14:47	10/14/2014 21:06	ALD
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	10	10	17.38	EPA TO-15	10/13/2014 14:47	10/14/2014 21:06	ALD
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m ³	8.5	8.5	17.38	EPA TO-15	10/13/2014 14:47	10/14/2014 21:06	ALD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	13	13	17.38	EPA TO-15	10/13/2014 14:47	10/14/2014 21:06	ALD
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	6.9	6.9	17.38	EPA TO-15	10/13/2014 14:47	10/14/2014 21:06	ALD
75-34-3	1,1-Dichloroethane	ND		ug/m ³	7.0	7.0	17.38	EPA TO-15	10/13/2014 14:47	10/14/2014 21:06	ALD
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m ³	9.8	9.8	17.38	EPA TO-15	10/13/2014 14:47	10/14/2014 21:06	ALD
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	9.5	9.5	17.38	EPA TO-15	10/13/2014 14:47	10/14/2014 21:06	ALD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	13	13	17.38	EPA TO-15	10/13/2014 14:47	10/14/2014 21:06	ALD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	12	12	17.38	EPA TO-15	10/13/2014 14:47	10/14/2014 21:06	ALD
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	9.5	9.5	17.38	EPA TO-15	10/13/2014 14:47	10/14/2014 21:06	ALD
75-71-8	Dichlorodifluoromethane	8.6		ug/m ³	8.6	8.6	17.38	EPA TO-15	10/13/2014 14:47	10/14/2014 21:06	ALD
106-93-4	1,2-Dibromoethane	ND		ug/m ³	13	13	17.38	EPA TO-15	10/13/2014 14:47	10/14/2014 21:06	ALD
124-48-1	Dibromochloromethane	ND		ug/m ³	14	14	17.38	EPA TO-15	10/13/2014 14:47	10/14/2014 21:06	ALD
80-62-6	Methyl Methacrylate	ND		ug/m ³	7.1	7.1	17.38	EPA TO-15	10/13/2014 14:47	10/14/2014 21:06	ALD
108-90-7	Chlorobenzene	ND		ug/m ³	8.0	8.0	17.38	EPA TO-15	10/13/2014 14:47	10/14/2014 21:06	ALD
Surrogate Recoveries		Result	Acceptance Range								
460-00-4	Surrogate: p-Bromofluorobenzene	101 %	72-118								

Sample Information

Client Sample ID: SV-2

York Sample ID: 14J0465-02

<u>York Project (SDG) No.</u> 14J0465	<u>Client Project ID</u> 560944	<u>Matrix</u> Soil Vapor	<u>Collection Date/Time</u> October 10, 2014 11:20 am	<u>Date Received</u> 10/10/2014
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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	Reported to		Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
					LOD/MDL	LOQ					
75-01-4	Vinyl Chloride	ND		ug/m ³	1.3	1.3	19.76	EPA TO-15	10/13/2014 14:47	10/14/2014 21:56	ALD
108-05-4	Vinyl acetate	ND		ug/m ³	7.0	7.0	19.76	EPA TO-15	10/13/2014 14:47	10/14/2014 21:56	ALD



Sample Information

Client Sample ID: SV-2

York Sample ID: 14J0465-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14J0465

560944

Soil Vapor

October 10, 2014 11:20 am

10/10/2014

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to		Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
					LOD/MDL	LOQ					
79-01-6	Trichloroethylene	ND		ug/m ³	2.7	2.7	19.76	EPA TO-15	10/13/2014 14:47	10/14/2014 21:56	ALD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	9.0	9.0	19.76	EPA TO-15	10/13/2014 14:47	10/14/2014 21:56	ALD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	7.8	7.8	19.76	EPA TO-15	10/13/2014 14:47	10/14/2014 21:56	ALD
108-88-3	Toluene	46		ug/m ³	7.4	7.4	19.76	EPA TO-15	10/13/2014 14:47	10/14/2014 21:56	ALD
109-99-9	* Tetrahydrofuran	ND		ug/m ³	5.8	5.8	19.76	EPA TO-15	10/13/2014 14:47	10/14/2014 21:56	ALD
127-18-4	Tetrachloroethylene	6.7		ug/m ³	3.4	3.4	19.76	EPA TO-15	10/13/2014 14:47	10/14/2014 21:56	ALD
100-42-5	Styrene	ND		ug/m ³	8.4	8.4	19.76	EPA TO-15	10/13/2014 14:47	10/14/2014 21:56	ALD
115-07-1	* Propylene	ND		ug/m ³	3.4	3.4	19.76	EPA TO-15	10/13/2014 14:47	10/14/2014 21:56	ALD
622-96-8	* p-Ethyltoluene	ND		ug/m ³	9.7	9.7	19.76	EPA TO-15	10/13/2014 14:47	10/14/2014 21:56	ALD
179601-23-1	p- & m- Xylenes	19		ug/m ³	17	17	19.76	EPA TO-15	10/13/2014 14:47	10/14/2014 21:56	ALD
95-47-6	o-Xylene	ND		ug/m ³	8.6	8.6	19.76	EPA TO-15	10/13/2014 14:47	10/14/2014 21:56	ALD
110-54-3	n-Hexane	9.1		ug/m ³	7.0	7.0	19.76	EPA TO-15	10/13/2014 14:47	10/14/2014 21:56	ALD
142-82-5	n-Heptane	11		ug/m ³	8.1	8.1	19.76	EPA TO-15	10/13/2014 14:47	10/14/2014 21:56	ALD
75-09-2	Methylene chloride	ND		ug/m ³	14	14	19.76	EPA TO-15	10/13/2014 14:47	10/14/2014 21:56	ALD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	7.1	7.1	19.76	EPA TO-15	10/13/2014 14:47	10/14/2014 21:56	ALD
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	8.1	8.1	19.76	EPA TO-15	10/13/2014 14:47	10/14/2014 21:56	ALD
67-63-0	Isopropanol	120		ug/m ³	9.7	9.7	19.76	EPA TO-15	10/13/2014 14:47	10/14/2014 21:56	ALD
87-68-3	Hexachlorobutadiene	ND		ug/m ³	21	21	19.76	EPA TO-15	10/13/2014 14:47	10/14/2014 21:56	ALD
100-41-4	Ethyl Benzene	ND		ug/m ³	8.6	8.6	19.76	EPA TO-15	10/13/2014 14:47	10/14/2014 21:56	ALD
141-78-6	* Ethyl acetate	ND		ug/m ³	14	14	19.76	EPA TO-15	10/13/2014 14:47	10/14/2014 21:56	ALD
110-82-7	Cyclohexane	ND		ug/m ³	6.8	6.8	19.76	EPA TO-15	10/13/2014 14:47	10/14/2014 21:56	ALD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	9.0	9.0	19.76	EPA TO-15	10/13/2014 14:47	10/14/2014 21:56	ALD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	7.8	7.8	19.76	EPA TO-15	10/13/2014 14:47	10/14/2014 21:56	ALD
74-87-3	Chloromethane	ND		ug/m ³	4.1	4.1	19.76	EPA TO-15	10/13/2014 14:47	10/14/2014 21:56	ALD
67-66-3	Chloroform	ND		ug/m ³	9.6	9.6	19.76	EPA TO-15	10/13/2014 14:47	10/14/2014 21:56	ALD
75-00-3	Chloroethane	ND		ug/m ³	5.2	5.2	19.76	EPA TO-15	10/13/2014 14:47	10/14/2014 21:56	ALD
56-23-5	Carbon tetrachloride	ND		ug/m ³	3.1	3.1	19.76	EPA TO-15	10/13/2014 14:47	10/14/2014 21:56	ALD
75-15-0	Carbon disulfide	18		ug/m ³	6.2	6.2	19.76	EPA TO-15	10/13/2014 14:47	10/14/2014 21:56	ALD
74-83-9	Bromomethane	ND		ug/m ³	7.7	7.7	19.76	EPA TO-15	10/13/2014 14:47	10/14/2014 21:56	ALD
75-25-2	Bromoform	ND		ug/m ³	20	20	19.76	EPA TO-15	10/13/2014 14:47	10/14/2014 21:56	ALD
75-27-4	Bromodichloromethane	ND		ug/m ³	12	12	19.76	EPA TO-15	10/13/2014 14:47	10/14/2014 21:56	ALD
100-44-7	Benzyl chloride	ND		ug/m ³	10	10	19.76	EPA TO-15	10/13/2014 14:47	10/14/2014 21:56	ALD
71-43-2	Benzene	6.3		ug/m ³	6.3	6.3	19.76	EPA TO-15	10/13/2014 14:47	10/14/2014 21:56	ALD
67-64-1	Acetone	47		ug/m ³	4.7	4.7	19.76	EPA TO-15	10/13/2014 14:47	10/14/2014 21:56	ALD
591-78-6	* 2-Hexanone	ND		ug/m ³	16	16	19.76	EPA TO-15	10/13/2014 14:47	10/14/2014 21:56	ALD
78-93-3	2-Butanone	ND		ug/m ³	5.8	5.8	19.76	EPA TO-15	10/13/2014 14:47	10/14/2014 21:56	ALD
123-91-1	1,4-Dioxane	ND		ug/m ³	7.1	7.1	19.76	EPA TO-15	10/13/2014 14:47	10/14/2014 21:56	ALD
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	12	12	19.76	EPA TO-15	10/13/2014 14:47	10/14/2014 21:56	ALD
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	12	12	19.76	EPA TO-15	10/13/2014 14:47	10/14/2014 21:56	ALD



Sample Information

Client Sample ID: SV-2

York Sample ID: 14J0465-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14J0465

560944

Soil Vapor

October 10, 2014 11:20 am

10/10/2014

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	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
						LOQ					
106-99-0	1,3-Butadiene	ND		ug/m ³	8.6	8.6	19.76	EPA TO-15	10/13/2014 14:47	10/14/2014 21:56	ALD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	9.7	9.7	19.76	EPA TO-15	10/13/2014 14:47	10/14/2014 21:56	ALD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	14	14	19.76	EPA TO-15	10/13/2014 14:47	10/14/2014 21:56	ALD
78-87-5	1,2-Dichloropropane	ND		ug/m ³	9.1	9.1	19.76	EPA TO-15	10/13/2014 14:47	10/14/2014 21:56	ALD
107-06-2	1,2-Dichloroethane	ND		ug/m ³	8.0	8.0	19.76	EPA TO-15	10/13/2014 14:47	10/14/2014 21:56	ALD
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	12	12	19.76	EPA TO-15	10/13/2014 14:47	10/14/2014 21:56	ALD
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m ³	9.7	9.7	19.76	EPA TO-15	10/13/2014 14:47	10/14/2014 21:56	ALD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	15	15	19.76	EPA TO-15	10/13/2014 14:47	10/14/2014 21:56	ALD
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	7.8	7.8	19.76	EPA TO-15	10/13/2014 14:47	10/14/2014 21:56	ALD
75-34-3	1,1-Dichloroethane	ND		ug/m ³	8.0	8.0	19.76	EPA TO-15	10/13/2014 14:47	10/14/2014 21:56	ALD
75-69-4	Trichlorofluoromethane (Freon 11)	21		ug/m ³	11	11	19.76	EPA TO-15	10/13/2014 14:47	10/14/2014 21:56	ALD
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	11	11	19.76	EPA TO-15	10/13/2014 14:47	10/14/2014 21:56	ALD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	15	15	19.76	EPA TO-15	10/13/2014 14:47	10/14/2014 21:56	ALD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	14	14	19.76	EPA TO-15	10/13/2014 14:47	10/14/2014 21:56	ALD
71-55-6	1,1,1-Trichloroethane	11		ug/m ³	11	11	19.76	EPA TO-15	10/13/2014 14:47	10/14/2014 21:56	ALD
75-71-8	Dichlorodifluoromethane	ND		ug/m ³	9.8	9.8	19.76	EPA TO-15	10/13/2014 14:47	10/14/2014 21:56	ALD
106-93-4	1,2-Dibromoethane	ND		ug/m ³	15	15	19.76	EPA TO-15	10/13/2014 14:47	10/14/2014 21:56	ALD
124-48-1	Dibromochloromethane	ND		ug/m ³	16	16	19.76	EPA TO-15	10/13/2014 14:47	10/14/2014 21:56	ALD
80-62-6	Methyl Methacrylate	ND		ug/m ³	8.1	8.1	19.76	EPA TO-15	10/13/2014 14:47	10/14/2014 21:56	ALD
108-90-7	Chlorobenzene	ND		ug/m ³	9.1	9.1	19.76	EPA TO-15	10/13/2014 14:47	10/14/2014 21:56	ALD
	Surrogate Recoveries	Result			Acceptance Range						
460-00-4	Surrogate: <i>p</i> -Bromofluorobenzene	100 %			72-118						

Sample Information

Client Sample ID: SV-7

York Sample ID: 14J0465-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14J0465

560944

Soil Vapor

October 10, 2014 11:42 am

10/10/2014

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	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
						LOQ					
75-01-4	Vinyl Chloride	ND		ug/m ³	1.5	1.5	24	EPA TO-15	10/13/2014 14:47	10/14/2014 22:45	ALD
108-05-4	Vinyl acetate	ND		ug/m ³	8.5	8.5	24	EPA TO-15	10/13/2014 14:47	10/14/2014 22:45	ALD
79-01-6	Trichloroethylene	ND		ug/m ³	3.2	3.2	24	EPA TO-15	10/13/2014 14:47	10/14/2014 22:45	ALD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	11	11	24	EPA TO-15	10/13/2014 14:47	10/14/2014 22:45	ALD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	9.5	9.5	24	EPA TO-15	10/13/2014 14:47	10/14/2014 22:45	ALD



Sample Information

Client Sample ID: SV-7

York Sample ID: 14J0465-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14J0465

560944

Soil Vapor

October 10, 2014 11:42 am

10/10/2014

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to		Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
					LOD/MDL	LOQ					
108-88-3	Toluene	44		ug/m ³	9.0	9.0	24	EPA TO-15	10/13/2014 14:47	10/14/2014 22:45	ALD
109-99-9	* Tetrahydrofuran	ND		ug/m ³	7.1	7.1	24	EPA TO-15	10/13/2014 14:47	10/14/2014 22:45	ALD
127-18-4	Tetrachloroethylene	ND		ug/m ³	4.1	4.1	24	EPA TO-15	10/13/2014 14:47	10/14/2014 22:45	ALD
100-42-5	Styrene	ND		ug/m ³	10	10	24	EPA TO-15	10/13/2014 14:47	10/14/2014 22:45	ALD
115-07-1	* Propylene	ND		ug/m ³	4.1	4.1	24	EPA TO-15	10/13/2014 14:47	10/14/2014 22:45	ALD
622-96-8	* p-Ethyltoluene	ND		ug/m ³	12	12	24	EPA TO-15	10/13/2014 14:47	10/14/2014 22:45	ALD
179601-23-1	p- & m- Xylenes	21		ug/m ³	21	21	24	EPA TO-15	10/13/2014 14:47	10/14/2014 22:45	ALD
95-47-6	o-Xylene	ND		ug/m ³	10	10	24	EPA TO-15	10/13/2014 14:47	10/14/2014 22:45	ALD
110-54-3	n-Hexane	22		ug/m ³	8.5	8.5	24	EPA TO-15	10/13/2014 14:47	10/14/2014 22:45	ALD
142-82-5	n-Heptane	12		ug/m ³	9.8	9.8	24	EPA TO-15	10/13/2014 14:47	10/14/2014 22:45	ALD
75-09-2	Methylene chloride	ND		ug/m ³	17	17	24	EPA TO-15	10/13/2014 14:47	10/14/2014 22:45	ALD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	8.6	8.6	24	EPA TO-15	10/13/2014 14:47	10/14/2014 22:45	ALD
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	9.8	9.8	24	EPA TO-15	10/13/2014 14:47	10/14/2014 22:45	ALD
67-63-0	Isopropanol	240		ug/m ³	12	12	24	EPA TO-15	10/13/2014 14:47	10/14/2014 22:45	ALD
87-68-3	Hexachlorobutadiene	ND		ug/m ³	26	26	24	EPA TO-15	10/13/2014 14:47	10/14/2014 22:45	ALD
100-41-4	Ethyl Benzene	ND		ug/m ³	10	10	24	EPA TO-15	10/13/2014 14:47	10/14/2014 22:45	ALD
141-78-6	* Ethyl acetate	17		ug/m ³	17	17	24	EPA TO-15	10/13/2014 14:47	10/14/2014 22:45	ALD
110-82-7	Cyclohexane	ND		ug/m ³	8.3	8.3	24	EPA TO-15	10/13/2014 14:47	10/14/2014 22:45	ALD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	11	11	24	EPA TO-15	10/13/2014 14:47	10/14/2014 22:45	ALD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	9.5	9.5	24	EPA TO-15	10/13/2014 14:47	10/14/2014 22:45	ALD
74-87-3	Chloromethane	ND		ug/m ³	5.0	5.0	24	EPA TO-15	10/13/2014 14:47	10/14/2014 22:45	ALD
67-66-3	Chloroform	ND		ug/m ³	12	12	24	EPA TO-15	10/13/2014 14:47	10/14/2014 22:45	ALD
75-00-3	Chloroethane	ND		ug/m ³	6.3	6.3	24	EPA TO-15	10/13/2014 14:47	10/14/2014 22:45	ALD
56-23-5	Carbon tetrachloride	ND		ug/m ³	3.8	3.8	24	EPA TO-15	10/13/2014 14:47	10/14/2014 22:45	ALD
75-15-0	Carbon disulfide	9.0		ug/m ³	7.5	7.5	24	EPA TO-15	10/13/2014 14:47	10/14/2014 22:45	ALD
74-83-9	Bromomethane	ND		ug/m ³	9.3	9.3	24	EPA TO-15	10/13/2014 14:47	10/14/2014 22:45	ALD
75-25-2	Bromoform	ND		ug/m ³	25	25	24	EPA TO-15	10/13/2014 14:47	10/14/2014 22:45	ALD
75-27-4	Bromodichloromethane	ND		ug/m ³	15	15	24	EPA TO-15	10/13/2014 14:47	10/14/2014 22:45	ALD
100-44-7	Benzyl chloride	ND		ug/m ³	12	12	24	EPA TO-15	10/13/2014 14:47	10/14/2014 22:45	ALD
71-43-2	Benzene	ND		ug/m ³	7.7	7.7	24	EPA TO-15	10/13/2014 14:47	10/14/2014 22:45	ALD
67-64-1	Acetone	95		ug/m ³	5.7	5.7	24	EPA TO-15	10/13/2014 14:47	10/14/2014 22:45	ALD
591-78-6	* 2-Hexanone	ND		ug/m ³	20	20	24	EPA TO-15	10/13/2014 14:47	10/14/2014 22:45	ALD
78-93-3	2-Butanone	13		ug/m ³	7.1	7.1	24	EPA TO-15	10/13/2014 14:47	10/14/2014 22:45	ALD
123-91-1	1,4-Dioxane	ND		ug/m ³	8.6	8.6	24	EPA TO-15	10/13/2014 14:47	10/14/2014 22:45	ALD
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	14	14	24	EPA TO-15	10/13/2014 14:47	10/14/2014 22:45	ALD
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	14	14	24	EPA TO-15	10/13/2014 14:47	10/14/2014 22:45	ALD
106-99-0	1,3-Butadiene	ND		ug/m ³	10	10	24	EPA TO-15	10/13/2014 14:47	10/14/2014 22:45	ALD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	12	12	24	EPA TO-15	10/13/2014 14:47	10/14/2014 22:45	ALD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	17	17	24	EPA TO-15	10/13/2014 14:47	10/14/2014 22:45	ALD



Sample Information

Client Sample ID: SV-7

York Sample ID: 14J0465-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14J0465

560944

Soil Vapor

October 10, 2014 11:42 am

10/10/2014

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to		Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
					LOD/MDL	LOQ					
78-87-5	1,2-Dichloropropane	ND		ug/m ³	11	11	24	EPA TO-15	10/13/2014 14:47	10/14/2014 22:45	ALD
107-06-2	1,2-Dichloroethane	ND		ug/m ³	9.7	9.7	24	EPA TO-15	10/13/2014 14:47	10/14/2014 22:45	ALD
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	14	14	24	EPA TO-15	10/13/2014 14:47	10/14/2014 22:45	ALD
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m ³	12	12	24	EPA TO-15	10/13/2014 14:47	10/14/2014 22:45	ALD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	18	18	24	EPA TO-15	10/13/2014 14:47	10/14/2014 22:45	ALD
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	9.5	9.5	24	EPA TO-15	10/13/2014 14:47	10/14/2014 22:45	ALD
75-34-3	1,1-Dichloroethane	ND		ug/m ³	9.7	9.7	24	EPA TO-15	10/13/2014 14:47	10/14/2014 22:45	ALD
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m ³	13	13	24	EPA TO-15	10/13/2014 14:47	10/14/2014 22:45	ALD
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	13	13	24	EPA TO-15	10/13/2014 14:47	10/14/2014 22:45	ALD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	18	18	24	EPA TO-15	10/13/2014 14:47	10/14/2014 22:45	ALD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	16	16	24	EPA TO-15	10/13/2014 14:47	10/14/2014 22:45	ALD
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	13	13	24	EPA TO-15	10/13/2014 14:47	10/14/2014 22:45	ALD
75-71-8	Dichlorodifluoromethane	ND		ug/m ³	12	12	24	EPA TO-15	10/13/2014 14:47	10/14/2014 22:45	ALD
106-93-4	1,2-Dibromoethane	ND		ug/m ³	18	18	24	EPA TO-15	10/13/2014 14:47	10/14/2014 22:45	ALD
124-48-1	Dibromochloromethane	ND		ug/m ³	19	19	24	EPA TO-15	10/13/2014 14:47	10/14/2014 22:45	ALD
80-62-6	Methyl Methacrylate	ND		ug/m ³	9.8	9.8	24	EPA TO-15	10/13/2014 14:47	10/14/2014 22:45	ALD
108-90-7	Chlorobenzene	ND		ug/m ³	11	11	24	EPA TO-15	10/13/2014 14:47	10/14/2014 22:45	ALD
	Surrogate Recoveries	Result			Acceptance Range						
460-00-4	Surrogate: <i>p</i> -Bromofluorobenzene	99.9 %			72-118						



Notes and Definitions

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.

-
- * 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.



Technical Report

prepared for:

PVE Sheffler

1 Civic Center Plaza, Suite 501

Poughkeepsie NY, 12601

Attention: Conor Tarbell

Report Date: 10/16/2014

Client Project ID: 560944

York Project (SDG) No.: 14J0505

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 10/16/2014
Client Project ID: 560944
York Project (SDG) No.: 14J0505

PVE Sheffler
1 Civic Center Plaza, Suite 501
Poughkeepsie NY, 12601
Attention: Conor Tarbell

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 October 10, 2014 and listed below. The project was identified as your project: **560944**.

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>
14J0505-01	SB MW-1 15-17' 20141010	Soil	10/10/2014	10/10/2014

General Notes for York Project (SDG) No.: 14J0505

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: 10/16/2014





Sample Information

Client Sample ID: SB MW-1 15-17' 20141010

York Sample ID: 14J0505-01

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
14J0505	560944	Soil	October 10, 2014 9:00 am	10/10/2014

Volatile Organics, TCL (Target Compound 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
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	10/15/2014 09:53	10/15/2014 11:09	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	10/15/2014 09:53	10/15/2014 11:09	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	10/15/2014 09:53	10/15/2014 11:09	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	10/15/2014 09:53	10/15/2014 11:09	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	10/15/2014 09:53	10/15/2014 11:09	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	10/15/2014 09:53	10/15/2014 11:09	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	10/15/2014 09:53	10/15/2014 11:09	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	10/15/2014 09:53	10/15/2014 11:09	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	10/15/2014 09:53	10/15/2014 11:09	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	10/15/2014 09:53	10/15/2014 11:09	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	10/15/2014 09:53	10/15/2014 11:09	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	10/15/2014 09:53	10/15/2014 11:09	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	10/15/2014 09:53	10/15/2014 11:09	SS
78-93-3	2-Butanone	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	10/15/2014 09:53	10/15/2014 11:09	SS
591-78-6	2-Hexanone	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	10/15/2014 09:53	10/15/2014 11:09	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	10/15/2014 09:53	10/15/2014 11:09	SS
67-64-1	Acetone	4.7	J	ug/kg dry	4.7	9.4	1	EPA 8260C	10/15/2014 09:53	10/15/2014 11:09	SS
71-43-2	Benzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	10/15/2014 09:53	10/15/2014 11:09	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	10/15/2014 09:53	10/15/2014 11:09	SS
75-25-2	Bromoform	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	10/15/2014 09:53	10/15/2014 11:09	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	10/15/2014 09:53	10/15/2014 11:09	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	10/15/2014 09:53	10/15/2014 11:09	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	10/15/2014 09:53	10/15/2014 11:09	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	10/15/2014 09:53	10/15/2014 11:09	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	10/15/2014 09:53	10/15/2014 11:09	SS
67-66-3	Chloroform	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	10/15/2014 09:53	10/15/2014 11:09	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	10/15/2014 09:53	10/15/2014 11:09	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	10/15/2014 09:53	10/15/2014 11:09	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	10/15/2014 09:53	10/15/2014 11:09	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	10/15/2014 09:53	10/15/2014 11:09	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	10/15/2014 09:53	10/15/2014 11:09	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	10/15/2014 09:53	10/15/2014 11:09	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	10/15/2014 09:53	10/15/2014 11:09	SS
75-09-2	Methylene chloride	ND		ug/kg dry	4.7	9.4	1	EPA 8260C	10/15/2014 09:53	10/15/2014 11:09	SS



Sample Information

Client Sample ID: SB MW-1 15-17' 20141010

York Sample ID: 14J0505-01

<u>York Project (SDG) No.</u> 14J0505	<u>Client Project ID</u> 560944	<u>Matrix</u> Soil	<u>Collection Date/Time</u> October 10, 2014 9:00 am	<u>Date Received</u> 10/10/2014
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Volatile Organics, TCL (Target Compound 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
91-20-3	Naphthalene	ND		ug/kg dry	2.3	9.4	1	EPA 8260C	10/15/2014 09:53	10/15/2014 11:09	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	10/15/2014 09:53	10/15/2014 11:09	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	10/15/2014 09:53	10/15/2014 11:09	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	10/15/2014 09:53	10/15/2014 11:09	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.7	9.4	1	EPA 8260C	10/15/2014 09:53	10/15/2014 11:09	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	10/15/2014 09:53	10/15/2014 11:09	SS
100-42-5	Styrene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	10/15/2014 09:53	10/15/2014 11:09	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	10/15/2014 09:53	10/15/2014 11:09	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	10/15/2014 09:53	10/15/2014 11:09	SS
108-88-3	Toluene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	10/15/2014 09:53	10/15/2014 11:09	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	10/15/2014 09:53	10/15/2014 11:09	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	10/15/2014 09:53	10/15/2014 11:09	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	10/15/2014 09:53	10/15/2014 11:09	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	10/15/2014 09:53	10/15/2014 11:09	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	10/15/2014 09:53	10/15/2014 11:09	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	7.0	14	1	EPA 8260C	10/15/2014 09:53	10/15/2014 11:09	SS
	Surrogate Recoveries	Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	116 %			77-125						
460-00-4	Surrogate: p-Bromofluorobenzene	93.6 %			76-130						
2037-26-5	Surrogate: Toluene-d8	100 %			85-120						

Semi-Volatiles, EPA TCL 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	44.0	175	1	EPA 8270D	10/14/2014 13:57	10/15/2014 11:19	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	44.0	175	1	EPA 8270D	10/14/2014 13:57	10/15/2014 11:19	KH
120-12-7	Anthracene	ND		ug/kg dry	44.0	175	1	EPA 8270D	10/14/2014 13:57	10/15/2014 11:19	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	44.0	175	1	EPA 8270D	10/14/2014 13:57	10/15/2014 11:19	KH
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	44.0	175	1	EPA 8270D	10/14/2014 13:57	10/15/2014 11:19	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	44.0	175	1	EPA 8270D	10/14/2014 13:57	10/15/2014 11:19	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	88.0	175	1	EPA 8270D	10/14/2014 13:57	10/15/2014 11:19	KH
65-85-0	Benzoic acid	ND		ug/kg dry	119	349	1	EPA 8270D	10/14/2014 13:57	10/15/2014 11:19	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	44.0	175	1	EPA 8270D	10/14/2014 13:57	10/15/2014 11:19	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	88.0	175	1	EPA 8270D	10/14/2014 13:57	10/15/2014 11:19	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	44.0	175	1	EPA 8270D	10/14/2014 13:57	10/15/2014 11:19	KH



Sample Information

Client Sample ID: SB MW-1 15-17' 20141010

York Sample ID: 14J0505-01

<u>York Project (SDG) No.</u> 14J0505	<u>Client Project ID</u> 560944	<u>Matrix</u> Soil	<u>Collection Date/Time</u> October 10, 2014 9:00 am	<u>Date Received</u> 10/10/2014
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Semi-Volatiles, EPA TCL 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
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	44.0	175	1	EPA 8270D	10/14/2014 13:57	10/15/2014 11:19	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	88.0	175	1	EPA 8270D	10/14/2014 13:57	10/15/2014 11:19	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	88.0	175	1	EPA 8270D	10/14/2014 13:57	10/15/2014 11:19	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	44.0	175	1	EPA 8270D	10/14/2014 13:57	10/15/2014 11:19	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	44.0	175	1	EPA 8270D	10/14/2014 13:57	10/15/2014 11:19	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	44.0	175	1	EPA 8270D	10/14/2014 13:57	10/15/2014 11:19	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	44.0	175	1	EPA 8270D	10/14/2014 13:57	10/15/2014 11:19	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	44.0	175	1	EPA 8270D	10/14/2014 13:57	10/15/2014 11:19	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	44.0	175	1	EPA 8270D	10/14/2014 13:57	10/15/2014 11:19	KH
218-01-9	Chrysene	ND		ug/kg dry	44.0	175	1	EPA 8270D	10/14/2014 13:57	10/15/2014 11:19	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	44.0	175	1	EPA 8270D	10/14/2014 13:57	10/15/2014 11:19	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	44.0	175	1	EPA 8270D	10/14/2014 13:57	10/15/2014 11:19	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	44.0	175	1	EPA 8270D	10/14/2014 13:57	10/15/2014 11:19	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	44.0	175	1	EPA 8270D	10/14/2014 13:57	10/15/2014 11:19	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	44.0	175	1	EPA 8270D	10/14/2014 13:57	10/15/2014 11:19	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	44.0	175	1	EPA 8270D	10/14/2014 13:57	10/15/2014 11:19	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	175	349	1	EPA 8270D	10/14/2014 13:57	10/15/2014 11:19	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	88.0	175	1	EPA 8270D	10/14/2014 13:57	10/15/2014 11:19	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	44.0	175	1	EPA 8270D	10/14/2014 13:57	10/15/2014 11:19	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	44.0	175	1	EPA 8270D	10/14/2014 13:57	10/15/2014 11:19	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	44.0	175	1	EPA 8270D	10/14/2014 13:57	10/15/2014 11:19	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	88.0	175	1	EPA 8270D	10/14/2014 13:57	10/15/2014 11:19	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	175	349	1	EPA 8270D	10/14/2014 13:57	10/15/2014 11:19	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	88.0	175	1	EPA 8270D	10/14/2014 13:57	10/15/2014 11:19	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	44.0	175	1	EPA 8270D	10/14/2014 13:57	10/15/2014 11:19	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	44.0	175	1	EPA 8270D	10/14/2014 13:57	10/15/2014 11:19	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	44.0	175	1	EPA 8270D	10/14/2014 13:57	10/15/2014 11:19	KH
206-44-0	Fluoranthene	ND		ug/kg dry	44.0	175	1	EPA 8270D	10/14/2014 13:57	10/15/2014 11:19	KH
86-73-7	Fluorene	ND		ug/kg dry	44.0	175	1	EPA 8270D	10/14/2014 13:57	10/15/2014 11:19	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	44.0	175	1	EPA 8270D	10/14/2014 13:57	10/15/2014 11:19	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	44.0	175	1	EPA 8270D	10/14/2014 13:57	10/15/2014 11:19	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	88.0	175	1	EPA 8270D	10/14/2014 13:57	10/15/2014 11:19	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	44.0	175	1	EPA 8270D	10/14/2014 13:57	10/15/2014 11:19	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	44.0	175	1	EPA 8270D	10/14/2014 13:57	10/15/2014 11:19	KH
78-59-1	Isophorone	ND		ug/kg dry	44.0	175	1	EPA 8270D	10/14/2014 13:57	10/15/2014 11:19	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	44.0	175	1	EPA 8270D	10/14/2014 13:57	10/15/2014 11:19	KH



Sample Information

Client Sample ID: SB MW-1 15-17' 20141010

York Sample ID: 14J0505-01

<u>York Project (SDG) No.</u> 14J0505	<u>Client Project ID</u> 560944	<u>Matrix</u> Soil	<u>Collection Date/Time</u> October 10, 2014 9:00 am	<u>Date Received</u> 10/10/2014
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Semi-Volatiles, EPA TCL 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	88.0	175	1	EPA 8270D	10/14/2014 13:57	10/15/2014 11:19	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	88.0	175	1	EPA 8270D	10/14/2014 13:57	10/15/2014 11:19	KH
91-20-3	Naphthalene	ND		ug/kg dry	44.0	175	1	EPA 8270D	10/14/2014 13:57	10/15/2014 11:19	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	88.0	175	1	EPA 8270D	10/14/2014 13:57	10/15/2014 11:19	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	44.0	175	1	EPA 8270D	10/14/2014 13:57	10/15/2014 11:19	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	88.0	175	1	EPA 8270D	10/14/2014 13:57	10/15/2014 11:19	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	44.0	175	1	EPA 8270D	10/14/2014 13:57	10/15/2014 11:19	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	44.0	175	1	EPA 8270D	10/14/2014 13:57	10/15/2014 11:19	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	88.0	175	1	EPA 8270D	10/14/2014 13:57	10/15/2014 11:19	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	44.0	175	1	EPA 8270D	10/14/2014 13:57	10/15/2014 11:19	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	44.0	175	1	EPA 8270D	10/14/2014 13:57	10/15/2014 11:19	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	88.0	175	1	EPA 8270D	10/14/2014 13:57	10/15/2014 11:19	KH
85-01-8	Phenanthrene	ND		ug/kg dry	44.0	175	1	EPA 8270D	10/14/2014 13:57	10/15/2014 11:19	KH
108-95-2	Phenol	ND		ug/kg dry	44.0	175	1	EPA 8270D	10/14/2014 13:57	10/15/2014 11:19	KH
129-00-0	Pyrene	ND		ug/kg dry	44.0	175	1	EPA 8270D	10/14/2014 13:57	10/15/2014 11:19	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	44.0	175	1	EPA 8270D	10/14/2014 13:57	10/15/2014 11:19	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	44.0	175	1	EPA 8270D	10/14/2014 13:57	10/15/2014 11:19	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	44.0	175	1	EPA 8270D	10/14/2014 13:57	10/15/2014 11:19	KH
	Surrogate Recoveries	Result			Acceptance Range						
367-12-4	Surrogate: 2-Fluorophenol	44.9 %			10-105						
4165-62-2	Surrogate: Phenol-d5	51.2 %			10-118						
4165-60-0	Surrogate: Nitrobenzene-d5	58.0 %			10-140						
321-60-8	Surrogate: 2-Fluorobiphenyl	52.1 %			10-126						
118-79-6	Surrogate: 2,4,6-Tribromophenol	35.8 %			10-150						
1718-51-0	Surrogate: Terphenyl-d14	60.7 %			10-137						



Sample Information

Client Sample ID: SB MW-1 15-17' 20141010

York Sample ID: 14J0505-01

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
14J0505	560944	Soil	October 10, 2014 9:00 am	10/10/2014

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	1.73	1.73	5	EPA 8081B	10/14/2014 18:00	10/15/2014 13:12	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.73	1.73	5	EPA 8081B	10/14/2014 18:00	10/15/2014 13:12	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.73	1.73	5	EPA 8081B	10/14/2014 18:00	10/15/2014 13:12	JW
309-00-2	Aldrin	ND		ug/kg dry	1.73	1.73	5	EPA 8081B	10/14/2014 18:00	10/15/2014 13:12	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.73	1.73	5	EPA 8081B	10/14/2014 18:00	10/15/2014 13:12	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.73	1.73	5	EPA 8081B	10/14/2014 18:00	10/15/2014 13:12	JW
57-74-9	Chlordane, total	ND		ug/kg dry	69.1	69.1	5	EPA 8081B	10/14/2014 18:00	10/15/2014 13:12	JW
5103-74-2	gamma-Chlordane	ND		ug/kg dry	1.73	1.73	5	EPA 8081B	10/14/2014 18:00	10/15/2014 13:12	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.73	1.73	5	EPA 8081B	10/14/2014 18:00	10/15/2014 13:12	JW
60-57-1	Dieldrin	ND		ug/kg dry	1.73	1.73	5	EPA 8081B	10/14/2014 18:00	10/15/2014 13:12	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.73	1.73	5	EPA 8081B	10/14/2014 18:00	10/15/2014 13:12	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	1.73	1.73	5	EPA 8081B	10/14/2014 18:00	10/15/2014 13:12	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.73	1.73	5	EPA 8081B	10/14/2014 18:00	10/15/2014 13:12	JW
72-20-8	Endrin	ND		ug/kg dry	1.73	1.73	5	EPA 8081B	10/14/2014 18:00	10/15/2014 13:12	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.73	1.73	5	EPA 8081B	10/14/2014 18:00	10/15/2014 13:12	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.73	1.73	5	EPA 8081B	10/14/2014 18:00	10/15/2014 13:12	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.73	1.73	5	EPA 8081B	10/14/2014 18:00	10/15/2014 13:12	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.73	1.73	5	EPA 8081B	10/14/2014 18:00	10/15/2014 13:12	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.73	1.73	5	EPA 8081B	10/14/2014 18:00	10/15/2014 13:12	JW
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.73	1.73	5	EPA 8081B	10/14/2014 18:00	10/15/2014 13:12	JW
72-43-5	Methoxychlor	ND		ug/kg dry	8.64	8.64	5	EPA 8081B	10/14/2014 18:00	10/15/2014 13:12	JW
8001-35-2	Toxaphene	ND		ug/kg dry	87.5	87.5	5	EPA 8081B	10/14/2014 18:00	10/15/2014 13:12	JW
	Surrogate Recoveries	Result			Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	90.6 %			30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	74.9 %			30-140						



Sample Information

Client Sample ID: SB MW-1 15-17' 20141010

York Sample ID: 14J0505-01

<u>York Project (SDG) No.</u> 14J0505	<u>Client Project ID</u> 560944	<u>Matrix</u> Soil	<u>Collection Date/Time</u> October 10, 2014 9:00 am	<u>Date Received</u> 10/10/2014
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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
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0175	0.0175	1	EPA 8082A	10/14/2014 18:00	10/15/2014 11:04	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0175	0.0175	1	EPA 8082A	10/14/2014 18:00	10/15/2014 11:04	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0175	0.0175	1	EPA 8082A	10/14/2014 18:00	10/15/2014 11:04	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0175	0.0175	1	EPA 8082A	10/14/2014 18:00	10/15/2014 11:04	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0175	0.0175	1	EPA 8082A	10/14/2014 18:00	10/15/2014 11:04	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0175	0.0175	1	EPA 8082A	10/14/2014 18:00	10/15/2014 11:04	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0175	0.0175	1	EPA 8082A	10/14/2014 18:00	10/15/2014 11:04	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0175	0.0175	1	EPA 8082A	10/14/2014 18:00	10/15/2014 11:04	AMC
Surrogate Recoveries		Result	Acceptance Range								
877-09-8	Surrogate: Tetrachloro-m-xylene	60.0 %	30-140								
2051-24-3	Surrogate: Decachlorobiphenyl	55.0 %	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	5470		mg/kg dry	1.05	1.05	1	EPA 6010C	10/14/2014 14:00	10/14/2014 16:27	MW
7440-36-0	Antimony	ND		mg/kg dry	0.524	0.524	1	EPA 6010C	10/14/2014 14:00	10/14/2014 16:27	MW
7440-38-2	Arsenic	ND		mg/kg dry	1.05	1.05	1	EPA 6010C	10/14/2014 14:00	10/14/2014 16:27	MW
7440-39-3	Barium	19.6		mg/kg dry	1.05	1.05	1	EPA 6010C	10/14/2014 14:00	10/14/2014 16:27	MW
7440-41-7	Beryllium	0.243		mg/kg dry	0.105	0.105	1	EPA 6010C	10/14/2014 14:00	10/14/2014 16:27	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.314	0.314	1	EPA 6010C	10/14/2014 14:00	10/14/2014 16:27	MW
7440-70-2	Calcium	198000		mg/kg dry	52.4	524	100	EPA 6010C	10/14/2014 14:00	10/14/2014 16:27	MW
7440-47-3	Chromium	1.45		mg/kg dry	0.524	0.524	1	EPA 6010C	10/14/2014 14:00	10/14/2014 16:27	MW
7440-48-4	Cobalt	1.68		mg/kg dry	0.524	0.524	1	EPA 6010C	10/14/2014 14:00	10/14/2014 16:27	MW
7440-50-8	Copper	ND		mg/kg dry	0.524	0.524	1	EPA 6010C	10/14/2014 14:00	10/14/2014 16:27	MW
7439-89-6	Iron	8860		mg/kg dry	2.10	2.10	1	EPA 6010C	10/14/2014 14:00	10/14/2014 16:27	MW
7439-92-1	Lead	1.54		mg/kg dry	0.314	0.314	1	EPA 6010C	10/14/2014 14:00	10/14/2014 16:27	MW
7439-95-4	Magnesium	125000		mg/kg dry	524	524	100	EPA 6010C	10/14/2014 14:00	10/14/2014 16:27	MW
7439-96-5	Manganese	955		mg/kg dry	0.524	0.524	1	EPA 6010C	10/14/2014 14:00	10/14/2014 16:27	MW
7440-02-0	Nickel	2.79		mg/kg dry	0.524	0.524	1	EPA 6010C	10/14/2014 14:00	10/14/2014 16:27	MW
7440-09-7	Potassium	111		mg/kg dry	5.24	5.24	1	EPA 6010C	10/14/2014 14:00	10/14/2014 16:27	MW
7782-49-2	Selenium	ND		mg/kg dry	1.05	1.05	1	EPA 6010C	10/14/2014 14:00	10/14/2014 16:27	MW
7440-22-4	Silver	ND		mg/kg dry	0.524	0.524	1	EPA 6010C	10/14/2014 14:00	10/14/2014 16:27	MW
7440-23-5	Sodium	360		mg/kg dry	10.5	10.5	1	EPA 6010C	10/14/2014 14:00	10/14/2014 16:27	MW
7440-28-0	Thallium	ND		mg/kg dry	1.05	1.05	1	EPA 6010C	10/14/2014 14:00	10/14/2014 16:27	MW
7440-62-2	Vanadium	4.75		mg/kg dry	1.05	1.05	1	EPA 6010C	10/14/2014 14:00	10/14/2014 16:27	MW



Sample Information

Client Sample ID: SB MW-1 15-17' 20141010

York Sample ID: 14J0505-01

<u>York Project (SDG) No.</u> 14J0505	<u>Client Project ID</u> 560944	<u>Matrix</u> Soil	<u>Collection Date/Time</u> October 10, 2014 9:00 am	<u>Date Received</u> 10/10/2014
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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
7440-66-6	Zinc	38.1		mg/kg dry	1.05	1.05	1	EPA 6010C	10/14/2014 14:00	10/14/2014 16:27	MW

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	0.0314	0.0314	1	EPA 7473	10/15/2014 06:52	10/15/2014 10:12	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	10/15/2014 11:49	10/15/2014 15:13	KK



Analytical Batch Summary

Batch ID: BJ40763 **Preparation Method:** EPA 3550C **Prepared By:** SA

YORK Sample ID	Client Sample ID	Preparation Date
14J0505-01	SB MW-1 15-17' 20141010	10/14/14
BJ40763-BLK1	Blank	10/14/14
BJ40763-BS1	LCS	10/14/14
BJ40763-BSD1	LCS Dup	10/14/14

Batch ID: BJ40764 **Preparation Method:** EPA 3550C **Prepared By:** DB

YORK Sample ID	Client Sample ID	Preparation Date
14J0505-01	SB MW-1 15-17' 20141010	10/14/14
14J0505-01	SB MW-1 15-17' 20141010	10/14/14
BJ40764-BLK1	Blank	10/14/14
BJ40764-BLK1	Blank	10/14/14
BJ40764-BS1	LCS	10/14/14
BJ40764-BS2	LCS	10/14/14
BJ40764-BSD1	LCS Dup	10/14/14
BJ40764-BSD2	LCS Dup	10/14/14

Batch ID: BJ40765 **Preparation Method:** EPA 3050B **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
14J0505-01	SB MW-1 15-17' 20141010	10/14/14
BJ40765-BLK1	Blank	10/14/14
BJ40765-SRM1	Reference	10/14/14

Batch ID: BJ40782 **Preparation Method:** EPA 7473 soil **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
14J0505-01	SB MW-1 15-17' 20141010	10/15/14
BJ40782-BLK1	Blank	10/15/14
BJ40782-SRM1	Reference	10/15/14

Batch ID: BJ40809 **Preparation Method:** % Solids Prep **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
14J0505-01	SB MW-1 15-17' 20141010	10/15/14

Batch ID: BJ40814 **Preparation Method:** EPA 5035A **Prepared By:** BK

YORK Sample ID	Client Sample ID	Preparation Date
14J0505-01	SB MW-1 15-17' 20141010	10/15/14
BJ40814-BLK1	Blank	10/15/14
BJ40814-BS1	LCS	10/15/14



BJ40814-BSD1

LCS Dup

10/15/14



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 BJ40814 - EPA 5035A

Blank (BJ40814-BLK1)

Prepared & Analyzed: 10/15/2014

1,1,1-Trichloroethane	ND	5.0	ug/kg wet								
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	"								
1,2,4-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-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3,5-Trimethylbenzene	ND	5.0	"								
2-Butanone	ND	5.0	"								
2-Hexanone	ND	5.0	"								
4-Methyl-2-pentanone	ND	5.0	"								
Acetone	ND	10	"								
Benzene	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								
Bromoform	ND	5.0	"								
Bromomethane	ND	5.0	"								
Carbon disulfide	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	"								
Dichlorodifluoromethane	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								
Methylene chloride	ND	10	"								
Naphthalene	4.2	10	"								
n-Butylbenzene	ND	5.0	"								
n-Propylbenzene	ND	5.0	"								
o-Xylene	ND	5.0	"								
p- & m- Xylenes	ND	10	"								
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 Chloride	ND	5.0	"								
Xylenes, Total	ND	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
Batch BJ40814 - EPA 5035A											
Blank (BJ40814-BLK1)											
										Prepared & Analyzed: 10/15/2014	
Surrogate: 1,2-Dichloroethane-d4	51.1		ug/L	50.0		102	77-125				
Surrogate: p-Bromofluorobenzene	49.9		"	50.0		99.8	76-130				
Surrogate: Toluene-d8	50.4		"	50.0		101	85-120				
LCS (BJ40814-BS1)											
										Prepared & Analyzed: 10/15/2014	
1,1,1-Trichloroethane	54		ug/L	50.0		109	71-137				
1,1,2,2-Tetrachloroethane	52		"	50.0		104	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	51		"	50.0		102	58-146				
1,1,2-Trichloroethane	53		"	50.0		106	83-123				
1,1-Dichloroethane	54		"	50.0		109	75-130				
1,1-Dichloroethylene	55		"	50.0		110	64-137				
1,2,4-Trichlorobenzene	51		"	50.0		101	80-141				
1,2,4-Trimethylbenzene	58		"	50.0		116	84-125				
1,2-Dibromo-3-chloropropane	45		"	50.0		89.1	74-142				
1,2-Dibromoethane	53		"	50.0		107	86-123				
1,2-Dichloroethane	57		"	50.0		115	71-133				
1,2-Dichloropropane	57		"	50.0		113	81-122				
1,3,5-Trimethylbenzene	57		"	50.0		114	82-126				
2-Butanone	66		"	50.0		133	58-147				
2-Hexanone	77		"	50.0		154	70-139	High Bias			
4-Methyl-2-pentanone	56		"	50.0		111	72-132				
Acetone	60		"	50.0		121	36-155				
Benzene	52		"	50.0		105	77-127				
Bromodichloromethane	56		"	50.0		112	81-124				
Bromoform	52		"	50.0		103	80-136				
Bromomethane	48		"	50.0		96.0	32-177				
Carbon disulfide	50		"	50.0		101	10-136				
Carbon tetrachloride	52		"	50.0		105	66-143				
Chlorobenzene	56		"	50.0		112	86-120				
Chloroethane	53		"	50.0		105	51-142				
Chloroform	53		"	50.0		106	76-131				
Chloromethane	57		"	50.0		113	49-132				
cis-1,2-Dichloroethylene	51		"	50.0		103	74-132				
cis-1,3-Dichloropropylene	49		"	50.0		97.3	81-129				
Dibromochloromethane	52		"	50.0		105	10-200				
Dichlorodifluoromethane	52		"	50.0		105	28-158				
Ethyl Benzene	55		"	50.0		110	84-125				
Methyl tert-butyl ether (MTBE)	53		"	50.0		105	74-131				
Methylene chloride	53		"	50.0		105	57-141				
Naphthalene	42		"	50.0		83.0	86-141	Low Bias			
n-Butylbenzene	60		"	50.0		120	80-130				
n-Propylbenzene	59		"	50.0		117	74-136				
o-Xylene	56		"	50.0		113	83-123				
p- & m- Xylenes	110		"	100		111	82-128				
sec-Butylbenzene	59		"	50.0		118	83-125				
Styrene	54		"	50.0		108	86-126				
tert-Butylbenzene	52		"	50.0		105	80-127				
Tetrachloroethylene	65		"	50.0		130	80-129	High Bias			
Toluene	55		"	50.0		109	85-121				
trans-1,2-Dichloroethylene	55		"	50.0		109	72-132				
trans-1,3-Dichloropropylene	52		"	50.0		104	78-132				
Trichloroethylene	53		"	50.0		106	84-123				



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
Batch BJ40814 - EPA 5035A											
LCS (BJ40814-BS1)											
Prepared & Analyzed: 10/15/2014											
Trichlorofluoromethane	50		ug/L	50.0		99.4	62-140				
Vinyl Chloride	53		"	50.0		105	52-130				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>54.2</i>		"	<i>50.0</i>		<i>108</i>	<i>77-125</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>49.0</i>		"	<i>50.0</i>		<i>98.0</i>	<i>76-130</i>				
<i>Surrogate: Toluene-d8</i>	<i>50.4</i>		"	<i>50.0</i>		<i>101</i>	<i>85-120</i>				
LCS Dup (BJ40814-BSD1)											
Prepared & Analyzed: 10/15/2014											
1,1,1-Trichloroethane	52		ug/L	50.0		105	71-137		3.65	30	
1,1,2,2-Tetrachloroethane	54		"	50.0		108	79-129		3.43	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	51		"	50.0		102	58-146		0.196	30	
1,1,2-Trichloroethane	52		"	50.0		103	83-123		2.80	30	
1,1-Dichloroethane	53		"	50.0		107	75-130		1.93	30	
1,1-Dichloroethylene	53		"	50.0		105	64-137		4.20	30	
1,2,4-Trichlorobenzene	49		"	50.0		97.9	80-141		3.18	30	
1,2,4-Trimethylbenzene	59		"	50.0		119	84-125		2.30	30	
1,2-Dibromo-3-chloropropane	45		"	50.0		90.8	74-142		1.85	30	
1,2-Dibromoethane	52		"	50.0		104	86-123		2.93	30	
1,2-Dichloroethane	54		"	50.0		108	71-133		5.64	30	
1,2-Dichloropropane	56		"	50.0		113	81-122		0.318	30	
1,3,5-Trimethylbenzene	57		"	50.0		114	82-126		0.368	30	
2-Butanone	58		"	50.0		115	58-147		13.9	30	
2-Hexanone	67		"	50.0		134	70-139		14.1	30	
4-Methyl-2-pentanone	58		"	50.0		116	72-132		4.03	30	
Acetone	45		"	50.0		89.8	36-155		29.3	30	
Benzene	49		"	50.0		98.6	77-127		5.87	30	
Bromodichloromethane	54		"	50.0		109	81-124		2.47	30	
Bromoform	50		"	50.0		101	80-136		2.35	30	
Bromomethane	52		"	50.0		104	32-177		7.69	30	
Carbon disulfide	50		"	50.0		99.5	10-136		1.42	30	
Carbon tetrachloride	52		"	50.0		103	66-143		1.15	30	
Chlorobenzene	54		"	50.0		107	86-120		4.46	30	
Chloroethane	57		"	50.0		114	51-142		8.22	30	
Chloroform	50		"	50.0		100	76-131		5.44	30	
Chloromethane	56		"	50.0		111	49-132		1.71	30	
cis-1,2-Dichloroethylene	49		"	50.0		98.2	74-132		4.48	30	
cis-1,3-Dichloropropylene	49		"	50.0		99.0	81-129		1.67	30	
Dibromochloromethane	51		"	50.0		102	10-200		2.63	30	
Dichlorodifluoromethane	51		"	50.0		102	28-158		2.57	30	
Ethyl Benzene	55		"	50.0		110	84-125		0.437	30	
Methyl tert-butyl ether (MTBE)	52		"	50.0		105	74-131		0.514	30	
Methylene chloride	53		"	50.0		106	57-141		0.246	30	
Naphthalene	43		"	50.0		85.0	86-141	Low Bias	2.40	30	
n-Butylbenzene	59		"	50.0		118	80-130		1.34	30	
n-Propylbenzene	58		"	50.0		116	74-136		0.755	30	
o-Xylene	56		"	50.0		112	83-123		0.498	30	
p- & m- Xylenes	110		"	100		110	82-128		0.0905	30	
sec-Butylbenzene	56		"	50.0		112	83-125		4.42	30	
Styrene	53		"	50.0		107	86-126		1.10	30	
tert-Butylbenzene	59		"	50.0		119	80-127		12.5	30	
Tetrachloroethylene	54		"	50.0		108	80-129		18.0	30	
Toluene	55		"	50.0		110	85-121		0.420	30	
trans-1,2-Dichloroethylene	52		"	50.0		105	72-132		3.87	30	



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

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

Batch BJ40814 - EPA 5035A

LCS Dup (BJ40814-BSD1)

Prepared & Analyzed: 10/15/2014

trans-1,3-Dichloropropylene	52		ug/L	50.0		105		78-132		0.403	30
Trichloroethylene	54		"	50.0		109		84-123		2.44	30
Trichlorofluoromethane	50		"	50.0		100		62-140		1.06	30
Vinyl Chloride	53		"	50.0		106		52-130		0.683	30
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>54.5</i>		<i>"</i>	<i>50.0</i>		<i>109</i>		<i>77-125</i>			
<i>Surrogate: p-Bromofluorobenzene</i>	<i>48.3</i>		<i>"</i>	<i>50.0</i>		<i>96.6</i>		<i>76-130</i>			
<i>Surrogate: Toluene-d8</i>	<i>49.4</i>		<i>"</i>	<i>50.0</i>		<i>98.8</i>		<i>85-120</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 BJ40763 - EPA 3550C

Blank (BJ40763-BLK1)

Prepared: 10/14/2014 Analyzed: 10/15/2014

Acenaphthene	ND	167	ug/kg wet								
Acenaphthylene	ND	167	"								
Anthracene	ND	167	"								
Benzo(a)anthracene	ND	167	"								
Benzo(a)pyrene	ND	167	"								
Benzo(b)fluoranthene	ND	167	"								
Benzo(g,h,i)perylene	ND	167	"								
Benzoic acid	ND	333	"								
Benzo(k)fluoranthene	ND	167	"								
Benzyl alcohol	ND	167	"								
Benzyl butyl phthalate	ND	167	"								
4-Bromophenyl phenyl ether	ND	167	"								
4-Chloro-3-methylphenol	ND	167	"								
4-Chloroaniline	ND	167	"								
Bis(2-chloroethoxy)methane	ND	167	"								
Bis(2-chloroethyl)ether	ND	167	"								
Bis(2-chloroisopropyl)ether	ND	167	"								
2-Chloronaphthalene	ND	167	"								
2-Chlorophenol	ND	167	"								
4-Chlorophenyl phenyl ether	ND	167	"								
Chrysene	ND	167	"								
Dibenzo(a,h)anthracene	ND	167	"								
Dibenzofuran	ND	167	"								
Di-n-butyl phthalate	ND	167	"								
1,2-Dichlorobenzene	ND	167	"								
1,4-Dichlorobenzene	ND	167	"								
1,3-Dichlorobenzene	ND	167	"								
3,3'-Dichlorobenzidine	ND	333	"								
2,4-Dichlorophenol	ND	167	"								
Diethyl phthalate	ND	167	"								
2,4-Dimethylphenol	ND	167	"								
Dimethyl phthalate	ND	167	"								
4,6-Dinitro-2-methylphenol	ND	167	"								
2,4-Dinitrophenol	ND	333	"								
2,4-Dinitrotoluene	ND	167	"								
2,6-Dinitrotoluene	ND	167	"								
Di-n-octyl phthalate	ND	167	"								
Bis(2-ethylhexyl)phthalate	ND	167	"								
Fluoranthene	ND	167	"								
Fluorene	ND	167	"								
Hexachlorobenzene	ND	167	"								
Hexachlorobutadiene	ND	167	"								
Hexachlorocyclopentadiene	ND	167	"								
Hexachloroethane	ND	167	"								
Indeno(1,2,3-cd)pyrene	ND	167	"								
Isophorone	ND	167	"								
2-Methylnaphthalene	ND	167	"								
2-Methylphenol	ND	167	"								
3- & 4-Methylphenols	ND	167	"								
Naphthalene	ND	167	"								
3-Nitroaniline	ND	167	"								



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BJ40763 - EPA 3550C

Blank (BJ40763-BLK1)

Prepared: 10/14/2014 Analyzed: 10/15/2014

2-Nitroaniline	ND	167	ug/kg wet								
4-Nitroaniline	ND	167	"								
Nitrobenzene	ND	167	"								
2-Nitrophenol	ND	167	"								
4-Nitrophenol	ND	167	"								
N-nitroso-di-n-propylamine	ND	167	"								
N-Nitrosodiphenylamine	ND	167	"								
Pentachlorophenol	ND	167	"								
Phenanthrene	ND	167	"								
Phenol	ND	167	"								
Pyrene	ND	167	"								
1,2,4-Trichlorobenzene	ND	167	"								
2,4,5-Trichlorophenol	ND	167	"								
2,4,6-Trichlorophenol	ND	167	"								
<i>Surrogate: 2-Fluorophenol</i>	<i>1010</i>		<i>"</i>	<i>2500</i>		<i>40.4</i>	<i>10-105</i>				
<i>Surrogate: Phenol-d5</i>	<i>1100</i>		<i>"</i>	<i>2500</i>		<i>43.9</i>	<i>10-118</i>				
<i>Surrogate: Nitrobenzene-d5</i>	<i>806</i>		<i>"</i>	<i>1670</i>		<i>48.3</i>	<i>10-140</i>				
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>679</i>		<i>"</i>	<i>1670</i>		<i>40.7</i>	<i>10-126</i>				
<i>Surrogate: 2,4,6-Tribromophenol</i>	<i>943</i>		<i>"</i>	<i>2510</i>		<i>37.5</i>	<i>10-150</i>				
<i>Surrogate: Terphenyl-d14</i>	<i>654</i>		<i>"</i>	<i>1670</i>		<i>39.3</i>	<i>10-137</i>				

LCS (BJ40763-BS1)

Prepared: 10/14/2014 Analyzed: 10/15/2014

Acenaphthene	962	167	ug/kg wet	1670		57.7	17-124				
Acenaphthylene	933	167	"	1670		56.0	16-124				
Anthracene	1040	167	"	1670		62.3	24-124				
Benzo(a)anthracene	1220	167	"	1670		72.9	25-134				
Benzo(a)pyrene	1280	167	"	1670		76.8	29-144				
Benzo(b)fluoranthene	1090	167	"	1670		65.5	20-151				
Benzo(g,h,i)perylene	1460	167	"	1670		87.8	10-153				
Benzoic acid	868	333	"	1670		52.1	10-116				
Benzo(k)fluoranthene	1250	167	"	1670		74.7	10-148				
Benzyl alcohol	926	167	"	1670		55.5	17-128				
Benzyl butyl phthalate	1260	167	"	1670		75.3	10-132				
4-Bromophenyl phenyl ether	989	167	"	1670		59.4	30-138				
4-Chloro-3-methylphenol	993	167	"	1670		59.6	16-138				
4-Chloroaniline	854	167	"	1670		51.2	10-117				
Bis(2-chloroethoxy)methane	859	167	"	1670		51.5	10-129				
Bis(2-chloroethyl)ether	796	167	"	1670		47.8	14-125				
Bis(2-chloroisopropyl)ether	1030	167	"	1670		61.5	14-122				
2-Chloronaphthalene	796	167	"	1670		47.8	22-115				
2-Chlorophenol	861	167	"	1670		51.6	25-121				
4-Chlorophenyl phenyl ether	973	167	"	1670		58.4	18-132				
Chrysene	1200	167	"	1670		71.7	24-116				
Dibenzo(a,h)anthracene	1480	167	"	1670		88.6	17-147				
Dibenzofuran	840	167	"	1670		50.4	23-123				
Di-n-butyl phthalate	1050	167	"	1670		62.7	19-123				
1,2-Dichlorobenzene	914	167	"	1670		54.8	26-113				
1,4-Dichlorobenzene	852	167	"	1670		51.1	28-111				
1,3-Dichlorobenzene	789	167	"	1670		47.3	32-113				
3,3'-Dichlorobenzidine	1430	333	"	1670		85.7	10-147				
2,4-Dichlorophenol	923	167	"	1670		55.4	23-133				



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					Limit	

Batch BJ40763 - EPA 3550C

LCS (BJ40763-BS1)

Prepared: 10/14/2014 Analyzed: 10/15/2014

Diethyl phthalate	967	167	ug/kg wet	1670		58.0	23-122				
2,4-Dimethylphenol	844	167	"	1670		50.6	15-131				
Dimethyl phthalate	993	167	"	1670		59.6	28-127				
4,6-Dinitro-2-methylphenol	1240	167	"	1670		74.4	10-149				
2,4-Dinitrophenol	1180	333	"	1670		70.8	10-149				
2,4-Dinitrotoluene	1170	167	"	1670		70.1	30-123				
2,6-Dinitrotoluene	1160	167	"	1670		69.8	30-125				
Di-n-octyl phthalate	1260	167	"	1670		75.8	10-132				
Bis(2-ethylhexyl)phthalate	1250	167	"	1670		75.3	10-141				
Fluoranthene	1060	167	"	1670		63.6	36-125				
Fluorene	986	167	"	1670		59.1	16-130				
Hexachlorobenzene	972	167	"	1670		58.3	10-129				
Hexachlorobutadiene	853	167	"	1670		51.2	22-153				
Hexachlorocyclopentadiene	451	167	"	1670		27.0	10-134				
Hexachloroethane	828	167	"	1670		49.7	20-112				
Indeno(1,2,3-cd)pyrene	1400	167	"	1670		83.9	10-155				
Isophorone	968	167	"	1670		58.1	14-131				
2-Methylnaphthalene	905	167	"	1670		54.3	16-127				
2-Methylphenol	836	167	"	1670		50.2	10-146				
3- & 4-Methylphenols	817	167	"	1670		49.0	20-109				
Naphthalene	849	167	"	1670		50.9	20-121				
3-Nitroaniline	977	167	"	1670		58.6	23-123				
2-Nitroaniline	1030	167	"	1670		61.9	24-126				
4-Nitroaniline	930	167	"	1670		55.8	14-125				
Nitrobenzene	930	167	"	1670		55.8	20-121				
2-Nitrophenol	904	167	"	1670		54.3	17-129				
4-Nitrophenol	836	167	"	1670		50.2	10-136				
N-nitroso-di-n-propylamine	879	167	"	1670		52.8	21-119				
N-Nitrosodiphenylamine	1110	167	"	1670		66.3	10-163				
Pentachlorophenol	1020	167	"	1670		61.2	10-143				
Phenanthrene	1020	167	"	1670		61.1	24-123				
Phenol	896	167	"	1670		53.8	15-123				
Pyrene	1230	167	"	1670		73.6	24-132				
1,2,4-Trichlorobenzene	945	167	"	1670		56.7	23-130				
2,4,5-Trichlorophenol	878	167	"	1670		52.7	14-138				
2,4,6-Trichlorophenol	829	167	"	1670		49.7	27-122				
<i>Surrogate: 2-Fluorophenol</i>	<i>1240</i>		<i>"</i>	<i>2500</i>		<i>49.6</i>	<i>10-105</i>				
<i>Surrogate: Phenol-d5</i>	<i>1170</i>		<i>"</i>	<i>2500</i>		<i>46.9</i>	<i>10-118</i>				
<i>Surrogate: Nitrobenzene-d5</i>	<i>819</i>		<i>"</i>	<i>1670</i>		<i>49.1</i>	<i>10-140</i>				
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>824</i>		<i>"</i>	<i>1670</i>		<i>49.4</i>	<i>10-126</i>				
<i>Surrogate: 2,4,6-Tribromophenol</i>	<i>1290</i>		<i>"</i>	<i>2510</i>		<i>51.4</i>	<i>30-130</i>				
<i>Surrogate: Terphenyl-d14</i>	<i>1060</i>		<i>"</i>	<i>1670</i>		<i>63.5</i>	<i>10-137</i>				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ40763 - EPA 3550C											
LCS Dup (BJ40763-BSD1)											
										Prepared: 10/14/2014 Analyzed: 10/15/2014	
Acenaphthene	1070	167	ug/kg wet	1670		64.4	17-124		10.9	30	
Acenaphthylene	966	167	"	1670		58.0	16-124		3.55	30	
Anthracene	1140	167	"	1670		68.2	24-124		8.95	30	
Benzo(a)anthracene	1230	167	"	1670		73.6	25-134		0.846	30	
Benzo(a)pyrene	1310	167	"	1670		78.5	29-144		2.16	30	
Benzo(b)fluoranthene	1310	167	"	1670		78.9	20-151		18.6	30	
Benzo(g,h,i)perylene	1490	167	"	1670		89.2	10-153		1.65	30	
Benzoic acid	1070	333	"	1670		64.5	10-116		21.3	30	
Benzo(k)fluoranthene	1020	167	"	1670		61.4	10-148		19.5	30	
Benzyl alcohol	1110	167	"	1670		66.5	17-128		17.9	30	
Benzyl butyl phthalate	1300	167	"	1670		77.9	10-132		3.39	30	
4-Bromophenyl phenyl ether	1010	167	"	1670		60.5	30-138		1.97	30	
4-Chloro-3-methylphenol	1020	167	"	1670		61.3	16-138		2.91	30	
4-Chloroaniline	893	167	"	1670		53.6	10-117		4.46	30	
Bis(2-chloroethoxy)methane	1040	167	"	1670		62.3	10-129		18.9	30	
Bis(2-chloroethyl)ether	875	167	"	1670		52.5	14-125		9.49	30	
Bis(2-chloroisopropyl)ether	1180	167	"	1670		70.8	14-122		14.1	30	
2-Chloronaphthalene	971	167	"	1670		58.3	22-115		19.8	30	
2-Chlorophenol	970	167	"	1670		58.2	25-121		11.9	30	
4-Chlorophenyl phenyl ether	1020	167	"	1670		61.2	18-132		4.68	30	
Chrysene	1220	167	"	1670		73.5	24-116		2.48	30	
Dibenzo(a,h)anthracene	1500	167	"	1670		90.3	17-147		1.88	30	
Dibenzofuran	955	167	"	1670		57.3	23-123		12.8	30	
Di-n-butyl phthalate	1080	167	"	1670		65.0	19-123		3.63	30	
1,2-Dichlorobenzene	1080	167	"	1670		64.9	26-113		16.8	30	
1,4-Dichlorobenzene	934	167	"	1670		56.0	28-111		9.22	30	
1,3-Dichlorobenzene	995	167	"	1670		59.7	32-113		23.2	30	
3,3'-Dichlorobenzidine	1610	333	"	1670		96.7	10-147		12.0	30	
2,4-Dichlorophenol	917	167	"	1670		55.0	23-133		0.616	30	
Diethyl phthalate	1080	167	"	1670		65.1	23-122		11.5	30	
2,4-Dimethylphenol	902	167	"	1670		54.1	15-131		6.64	30	
Dimethyl phthalate	1120	167	"	1670		67.3	28-127		12.2	30	
4,6-Dinitro-2-methylphenol	1180	167	"	1670		70.9	10-149		4.87	30	
2,4-Dinitrophenol	1320	333	"	1670		79.1	10-149		11.1	30	
2,4-Dinitrotoluene	1140	167	"	1670		68.5	30-123		2.28	30	
2,6-Dinitrotoluene	1180	167	"	1670		70.6	30-125		1.20	30	
Di-n-octyl phthalate	1320	167	"	1670		79.4	10-132		4.61	30	
Bis(2-ethylhexyl)phthalate	1270	167	"	1670		76.4	10-141		1.48	30	
Fluoranthene	1100	167	"	1670		66.3	36-125		4.07	30	
Fluorene	1070	167	"	1670		64.1	16-130		8.05	30	
Hexachlorobenzene	995	167	"	1670		59.7	10-129		2.34	30	
Hexachlorobutadiene	886	167	"	1670		53.2	22-153		3.83	30	
Hexachlorocyclopentadiene	540	167	"	1670		32.4	10-134		18.1	30	
Hexachloroethane	1060	167	"	1670		63.7	20-112		24.6	30	
Indeno(1,2,3-cd)pyrene	1400	167	"	1670		84.1	10-155		0.167	30	
Isophorone	1040	167	"	1670		62.6	14-131		7.49	30	
2-Methylnaphthalene	959	167	"	1670		57.6	16-127		5.79	30	
2-Methylphenol	907	167	"	1670		54.4	10-146		8.11	30	
3- & 4-Methylphenols	1020	167	"	1670		61.0	20-109		21.8	30	
Naphthalene	961	167	"	1670		57.7	20-121		12.4	30	
3-Nitroaniline	1110	167	"	1670		66.3	23-123		12.4	30	



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					RPD	Limit
Batch BJ40763 - EPA 3550C											
LCS Dup (BJ40763-BSD1)											
Prepared: 10/14/2014 Analyzed: 10/15/2014											
2-Nitroaniline	1090	167	ug/kg wet	1670		65.4	24-126			5.37	30
4-Nitroaniline	926	167	"	1670		55.6	14-125			0.431	30
Nitrobenzene	967	167	"	1670		58.0	20-121			3.87	30
2-Nitrophenol	1000	167	"	1670		60.2	17-129			10.4	30
4-Nitrophenol	875	167	"	1670		52.5	10-136			4.56	30
N-nitroso-di-n-propylamine	1070	167	"	1670		64.5	21-119			20.0	30
N-Nitrosodiphenylamine	1160	167	"	1670		69.7	10-163			5.00	30
Pentachlorophenol	1100	167	"	1670		66.2	10-143			7.88	30
Phenanthrene	1040	167	"	1670		62.4	24-123			1.98	30
Phenol	1000	167	"	1670		60.1	15-123			11.1	30
Pyrene	1340	167	"	1670		80.6	24-132			9.08	30
1,2,4-Trichlorobenzene	896	167	"	1670		53.7	23-130			5.40	30
2,4,5-Trichlorophenol	987	167	"	1670		59.2	14-138			11.7	30
2,4,6-Trichlorophenol	984	167	"	1670		59.0	27-122			17.1	30
<i>Surrogate: 2-Fluorophenol</i>	<i>1420</i>		<i>"</i>	<i>2500</i>		<i>56.9</i>	<i>10-105</i>				
<i>Surrogate: Phenol-d5</i>	<i>1410</i>		<i>"</i>	<i>2500</i>		<i>56.5</i>	<i>10-118</i>				
<i>Surrogate: Nitrobenzene-d5</i>	<i>909</i>		<i>"</i>	<i>1670</i>		<i>54.4</i>	<i>10-140</i>				
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>859</i>		<i>"</i>	<i>1670</i>		<i>51.5</i>	<i>10-126</i>				
<i>Surrogate: 2,4,6-Tribromophenol</i>	<i>1310</i>		<i>"</i>	<i>2510</i>		<i>52.1</i>	<i>30-130</i>				
<i>Surrogate: Terphenyl-d14</i>	<i>1130</i>		<i>"</i>	<i>1670</i>		<i>67.7</i>	<i>10-137</i>				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BJ40764 - EPA 3550C

Blank (BJ40764-BLK1)

Prepared: 10/14/2014 Analyzed: 10/15/2014

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	"								
beta-BHC	ND	0.330	"								
Chlordane, total	ND	13.2	"								
gamma-Chlordane	ND	0.330	"								
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	"								
Heptachlor	ND	0.330	"								
Heptachlor epoxide	ND	0.330	"								
alpha-Chlordane	ND	0.330	"								
Methoxychlor	ND	1.65	"								
Toxaphene	ND	16.7	"								
<i>Surrogate: Tetrachloro-m-xylene</i>	65.3		"	66.7		97.9		30-140			
<i>Surrogate: Decachlorobiphenyl</i>	63.8		"	66.7		95.7		30-140			

LCS (BJ40764-BS1)

Prepared: 10/14/2014 Analyzed: 10/15/2014

4,4'-DDD	31.6	0.330	ug/kg wet	33.3		94.9		40-140			
4,4'-DDE	30.4	0.330	"	33.3		91.1		40-140			
4,4'-DDT	36.0	0.330	"	33.3		108		40-140			
Aldrin	27.2	0.330	"	33.3		81.6		40-140			
alpha-BHC	30.1	0.330	"	33.3		90.3		40-140			
beta-BHC	31.0	0.330	"	33.3		93.1		40-140			
gamma-Chlordane	27.3	0.330	"	33.3		81.9		40-140			
delta-BHC	30.0	0.330	"	33.3		90.0		40-140			
Dieldrin	29.2	0.330	"	33.3		87.5		40-140			
Endosulfan I	28.9	0.330	"	33.3		86.6		40-140			
Endosulfan II	27.9	0.330	"	33.3		83.6		40-140			
Endosulfan sulfate	29.6	0.330	"	33.3		88.7		40-140			
Endrin	31.3	0.330	"	33.3		93.9		40-140			
Endrin aldehyde	25.1	0.330	"	33.3		75.2		40-140			
Endrin ketone	29.4	0.330	"	33.3		88.3		40-140			
gamma-BHC (Lindane)	28.8	0.330	"	33.3		86.5		40-140			
Heptachlor	26.7	0.330	"	33.3		80.1		40-140			
Heptachlor epoxide	27.0	0.330	"	33.3		81.0		40-140			
alpha-Chlordane	26.2	0.330	"	33.3		78.7		40-140			
Methoxychlor	35.0	1.65	"	33.3		105		40-140			
<i>Surrogate: Tetrachloro-m-xylene</i>	64.8		"	66.7		97.2		30-140			
<i>Surrogate: Decachlorobiphenyl</i>	62.7		"	66.7		94.1		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 BJ40764 - EPA 3550C											
LCS Dup (BJ40764-BSD1)											
										Prepared: 10/14/2014 Analyzed: 10/15/2014	
4,4'-DDD	31.8	0.330	ug/kg wet	33.3		95.5		40-140		0.632	30
4,4'-DDE	30.4	0.330	"	33.3		91.3		40-140		0.174	30
4,4'-DDT	39.8	0.330	"	33.3		119		40-140		10.0	30
Aldrin	27.4	0.330	"	33.3		82.3		40-140		0.856	30
alpha-BHC	30.7	0.330	"	33.3		92.0		40-140		1.83	30
beta-BHC	31.2	0.330	"	33.3		93.5		40-140		0.437	30
gamma-Chlordane	27.3	0.330	"	33.3		81.8		40-140		0.108	30
delta-BHC	30.0	0.330	"	33.3		89.9		40-140		0.109	30
Dieldrin	29.1	0.330	"	33.3		87.2		40-140		0.333	30
Endosulfan I	28.7	0.330	"	33.3		86.2		40-140		0.406	30
Endosulfan II	27.3	0.330	"	33.3		82.0		40-140		1.89	30
Endosulfan sulfate	29.4	0.330	"	33.3		88.2		40-140		0.578	30
Endrin	31.2	0.330	"	33.3		93.5		40-140		0.472	30
Endrin aldehyde	24.9	0.330	"	33.3		74.8		40-140		0.533	30
Endrin ketone	29.2	0.330	"	33.3		87.6		40-140		0.773	30
gamma-BHC (Lindane)	29.1	0.330	"	33.3		87.3		40-140		0.919	30
Heptachlor	27.1	0.330	"	33.3		81.3		40-140		1.55	30
Heptachlor epoxide	27.2	0.330	"	33.3		81.6		40-140		0.675	30
alpha-Chlordane	25.2	0.330	"	33.3		75.7		40-140		3.85	30
Methoxychlor	38.6	1.65	"	33.3		116		40-140		9.63	30
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>65.8</i>		<i>"</i>	<i>66.7</i>		<i>98.7</i>		<i>30-140</i>			
<i>Surrogate: Decachlorobiphenyl</i>	<i>61.3</i>		<i>"</i>	<i>66.7</i>		<i>91.9</i>		<i>30-140</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
Batch BJ40764 - EPA 3550C											
Blank (BJ40764-BLK1)											
										Prepared: 10/14/2014 Analyzed: 10/15/2014	
Aroclor 1016	ND	0.0167	mg/kg wet								
Aroclor 1221	ND	0.0167	"								
Aroclor 1232	ND	0.0167	"								
Aroclor 1242	ND	0.0167	"								
Aroclor 1248	ND	0.0167	"								
Aroclor 1254	ND	0.0167	"								
Aroclor 1260	ND	0.0167	"								
Total PCBs	ND	0.0167	"								
<i>Surrogate: Tetrachloro-m-xylene</i>	0.0563		"	0.0667		84.5	30-140				
<i>Surrogate: Decachlorobiphenyl</i>	0.0497		"	0.0667		74.5	30-140				
LCS (BJ40764-BS2)											
										Prepared: 10/14/2014 Analyzed: 10/15/2014	
Aroclor 1016	0.327	0.0167	mg/kg wet	0.333		98.1	40-130				
Aroclor 1260	0.296	0.0167	"	0.333		88.9	40-130				
<i>Surrogate: Tetrachloro-m-xylene</i>	0.0520		"	0.0667		78.0	30-140				
<i>Surrogate: Decachlorobiphenyl</i>	0.0430		"	0.0667		64.5	30-140				
LCS Dup (BJ40764-BSD2)											
										Prepared: 10/14/2014 Analyzed: 10/15/2014	
Aroclor 1016	0.364	0.0167	mg/kg wet	0.333		109	40-130		10.6	25	
Aroclor 1260	0.338	0.0167	"	0.333		102	40-130		13.3	25	
<i>Surrogate: Tetrachloro-m-xylene</i>	0.0613		"	0.0667		92.0	30-140				
<i>Surrogate: Decachlorobiphenyl</i>	0.0523		"	0.0667		78.5	30-140				



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BJ40765 - EPA 3050B

Blank (BJ40765-BLK1)

Prepared & Analyzed: 10/14/2014

Aluminum	ND	1.00	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 (BJ40765-SRM1)

Prepared & Analyzed: 10/14/2014

Aluminum	6750	1.00	mg/kg wet	9390		71.8	43.5-157				
Antimony	179	0.500	"	129		139	22.4-250				
Arsenic	80.7	1.00	"	88.4		91.3	69-131				
Barium	188	1.00	"	210		89.3	73.3-127				
Beryllium	51.7	0.100	"	55.8		92.7	73.1-127				
Cadmium	126	0.300	"	142		88.5	73.2-128				
Calcium	6880	5.00	"	7530		91.4	74.6-125				
Chromium	75.6	0.500	"	86.8		87.1	69.1-131				
Cobalt	185	0.500	"	199		92.9	74.4-126				
Copper	262	0.500	"	268		97.6	76.1-124				
Iron	11300	2.00	"	12800		88.3	31.6-168				
Lead	84.9	0.300	"	97.9		86.7	70.8-129				
Magnesium	2490	5.00	"	2850		87.5	65.3-135				
Manganese	390	0.500	"	425		91.8	76.2-124				
Nickel	226	0.500	"	236		95.8	74.2-128				
Potassium	2180	5.00	"	2570		84.6	61.1-139				
Selenium	116	1.00	"	127		91.7	66.6-134				
Silver	57.3	0.500	"	66.2		86.5	67.1-133				
Sodium	1070	10.0	"	1040		103	60.4-139				
Thallium	123	1.00	"	140		88.0	68.3-132				
Vanadium	139	1.00	"	156		89.1	71.8-129				
Zinc	110	1.00	"	161		68.4	66.9-133				



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 BJ40782 - EPA 7473 soil											
Blank (BJ40782-BLK1)											
Mercury	ND	0.0300	mg/kg wet								Prepared & Analyzed: 10/15/2014
Reference (BJ40782-SRM1)											
Mercury	2.8649		mg/kg	3.73		76.8	68.6-131				



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
14J0505-01	SB MW-1 15-17' 20141010	40mL Vial with Stir Bar-Cool 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.
- 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.

-
- * 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.





YORK
ANALYTICAL LABORATORIES INC

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. 14J0505

YOUR Information		Report To:		Invoice To:		YOUR Project ID		Turn-Around Time		Report Type	
Company: <u>PK Shaffer</u>		Company: <u>" "</u>		Company: <u>" "</u>		<u>5100944</u>		RUSH - Same Day <input type="checkbox"/>		Summary Report <input checked="" type="checkbox"/>	
Address: <u>One Civic Center Plaza Poughkeepsie NY 12501</u>		Address: _____		Address: _____				RUSH - Next Day <input type="checkbox"/>		Summary w/ QA Summary _____	
Phone No. <u>845-451-1341</u>		Phone No. _____		Phone No. _____		Purchase Order No.		RUSH - Two Day <input type="checkbox"/>		CTRCP DQA/DUE Pkg _____	
Contact Person: <u>Carol Tarbell</u>		Attention: _____		Attention: _____				RUSH - Three Day <input type="checkbox"/>		RUSH - Four Day <input type="checkbox"/>	
E-Mail Address: <u>ctarbell@pkshaffer.com</u>		E-Mail Address: _____		E-Mail Address: _____		Samples from: CT <input type="checkbox"/> NY <input checked="" type="checkbox"/> NJ <input type="checkbox"/>		Standard(5-7 Days) <input checked="" type="checkbox"/>		NY ASP B Package <input checked="" type="checkbox"/>	
										NJDEP Red. 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.

Carol Tarbell
Samples Collected/Authorized By (Signature)
Carol Tarbell
Name (printed)

Volatiles	Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists	Misc.
*8260 full 624 STARS list BTEX MTBE TCL list TAGM list CT RCP list Arom. only Halog. only App. IX list 8021B list	TICs Site Spec. Nassau Co. Suffolk Co. Ketones Oxygenates TCLP list 524.2 502.2 NJDEP list SPLP or TCLP	8270 or 625 STARS list BN Only Acids Only PAH list App. IX Site Spec. CT RCP list TCL list NJDEP list App. IX TCLP BNA SPLP or TCLP	RCRA8 PP13 list TAL CT15 list TAGM list TPH 1664 NJDEP list Total Dissolved SPLP or TCLP Indiv. Metals LIST Below Helium	TPH GRO TPH DRO CT ETPH NY 310-13 TPH 1664 Air TO14A Air TO15 Air STARS Air VPH Air TICs Methane Helium	Pri. Poll. TCL Organics TAL Met/CN Full TCLP Full App. IX Part 360-Baseline Part 360-Expanded Part 360-Expanded Full List NYCDEP Sewer NYSDEC Sewer TAGM	Corrosivity Reactivity Ignitability Flash Point Sieve Anal. Heterotrophs TOX BTU/lb. Aquatic Tox. TOC Asbestos Silica

Simple Excel _____
 NYSDEC EQuIS
 EQuIS (std) _____
 EZ-EDD (EQuIS) _____
 NJDEP SRP HazSite EDD _____
 GIS/KEY (std) _____
 Other _____
York Regulatory Comparison
Excel Spreadsheet
 Compare to the following Regs. (please fill in):

Sample Identification	Date/Time Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
<u>5B MW-1 15-17' 10H1010</u>	<u>10/10/14 0900</u>	<u>S</u>	<u>TCL VOCs, TCL SVOCs, Pest, PCBs, TAL Metals</u>	<u>5055 ± 502</u>

Comments	Preservation Check those Applicable	4°C _____ Frozen _____ HCl _____ MeOH _____ ZnAc _____ Ascorbic Acid _____	HNO ₃ _____ H ₂ SO ₄ _____ NaOH _____ Other _____	Temperature on Receipt <u>14.11</u>
	Special Instructions Field Filtered <input type="checkbox"/> Lab to Filter <input type="checkbox"/>	<u>Carol Tarbell</u> 10/10/14 Samples Relinquished By Date/Time	<u>Chic</u> 10-10-14 14:00 Samples Received By Date/Time	
		Samples Relinquished By _____ Date/Time _____	Samples Received in LAB by _____ Date/Time _____	



Technical Report

prepared for:

PVE Sheffler
48 Springside Avenue
Poughkeepsie NY, 12603
Attention: Conor Tarbell

Report Date: 10/21/2014
Client Project ID: 560944
York Project (SDG) No.: 14J0592

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 10/21/2014
Client Project ID: 560944
York Project (SDG) No.: 14J0592

PVE Sheffler
48 Springside Avenue
Poughkeepsie NY, 12603
Attention: Conor Tarbell

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 October 14, 2014 and listed below. The project was identified as your project: **560944**.

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>
14J0592-01	SB-5 0-2' 20141014	Soil	10/14/2014	10/14/2014
14J0592-02	SB-5 15-17' 20141014	Soil	10/14/2014	10/14/2014
14J0592-03	SB-4 0-2' 20141014	Soil	10/14/2014	10/14/2014
14J0592-04	SB-4 10-12' 20141014	Soil	10/14/2014	10/14/2014
14J0592-05	SB-6 0-2' 20141014	Soil	10/14/2014	10/14/2014
14J0592-06	SB-6 14-16' 20141014	Soil	10/14/2014	10/14/2014

General Notes for York Project (SDG) No.: 14J0592

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: 10/21/2014





Sample Information

Client Sample ID: SB-5 0-2' 20141014

York Sample ID: 14J0592-01

<u>York Project (SDG) No.</u> 14J0592	<u>Client Project ID</u> 560944	<u>Matrix</u> Soil	<u>Collection Date/Time</u> October 14, 2014 10:50 am	<u>Date Received</u> 10/14/2014
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Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:07	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:07	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:07	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:07	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:07	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:07	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:07	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:07	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:07	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:07	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:07	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:07	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:07	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:07	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:07	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:07	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:07	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	48	97	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:07	SS
78-93-3	2-Butanone	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:07	SS
591-78-6	2-Hexanone	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:07	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:07	SS
67-64-1	Acetone	ND		ug/kg dry	4.8	9.7	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:07	SS
107-02-8	Acrolein	ND		ug/kg dry	4.8	9.7	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:07	SS
107-13-1	Acrylonitrile	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:07	SS
71-43-2	Benzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:07	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:07	SS
75-25-2	Bromoform	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:07	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:07	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:07	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:07	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:07	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:07	SS
67-66-3	Chloroform	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:07	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:07	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:07	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:07	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:07	SS



Sample Information

Client Sample ID: SB-5 0-2' 20141014

York Sample ID: 14J0592-01

<u>York Project (SDG) No.</u> 14J0592	<u>Client Project ID</u> 560944	<u>Matrix</u> Soil	<u>Collection Date/Time</u> October 14, 2014 10:50 am	<u>Date Received</u> 10/14/2014
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Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-95-3	Dibromomethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:07	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:07	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:07	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:07	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:07	SS
79-20-9	Methyl acetate	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:07	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:07	SS
75-09-2	Methylene chloride	ND		ug/kg dry	4.8	9.7	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:07	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:07	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:07	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:07	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.8	9.7	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:07	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:07	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:07	SS
100-42-5	Styrene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:07	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:07	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:07	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:07	SS
108-88-3	Toluene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:07	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:07	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:07	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:07	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:07	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:07	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	7.2	14	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:07	SS
	Surrogate Recoveries	Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	111 %			77-125						
460-00-4	Surrogate: p-Bromofluorobenzene	111 %			76-130						
2037-26-5	Surrogate: Toluene-d8	108 %			85-120						



Sample Information

Client Sample ID: SB-5 0-2' 20141014

York Sample ID: 14J0592-01

<u>York Project (SDG) No.</u> 14J0592	<u>Client Project ID</u> 560944	<u>Matrix</u> Soil	<u>Collection Date/Time</u> October 14, 2014 10:50 am	<u>Date Received</u> 10/14/2014
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Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	45.0	178	1	EPA 8270D	10/17/2014 07:26	10/20/2014 05:53	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	45.0	178	1	EPA 8270D	10/17/2014 07:26	10/20/2014 05:53	SR
98-86-2	Acetophenone	ND		ug/kg dry	45.0	178	1	EPA 8270D	10/17/2014 07:26	10/20/2014 05:53	SR
62-53-3	Aniline	ND		ug/kg dry	45.0	178	1	EPA 8270D	10/17/2014 07:26	10/20/2014 05:53	SR
120-12-7	Anthracene	50.0	J	ug/kg dry	45.0	178	1	EPA 8270D	10/17/2014 07:26	10/20/2014 05:53	SR
1912-24-9	Atrazine	ND		ug/kg dry	45.0	178	1	EPA 8270D	10/17/2014 07:26	10/20/2014 05:53	SR
100-52-7	Benzaldehyde	ND		ug/kg dry	45.0	178	1	EPA 8270D	10/17/2014 07:26	10/20/2014 05:53	SR
92-87-5	Benzidine	ND		ug/kg dry	179	357	1	EPA 8270D	10/17/2014 07:26	10/20/2014 05:53	SR
56-55-3	Benzo(a)anthracene	123	J	ug/kg dry	45.0	178	1	EPA 8270D	10/17/2014 07:26	10/20/2014 05:53	SR
50-32-8	Benzo(a)pyrene	76.4	J	ug/kg dry	45.0	178	1	EPA 8270D	10/17/2014 07:26	10/20/2014 05:53	SR
205-99-2	Benzo(b)fluoranthene	75.7	J	ug/kg dry	45.0	178	1	EPA 8270D	10/17/2014 07:26	10/20/2014 05:53	SR
191-24-2	Benzo(g,h,i)perylene	90.3	IS-LO, J	ug/kg dry	90.0	178	1	EPA 8270D	10/17/2014 07:26	10/20/2014 05:53	SR
65-85-0	Benzoic acid	ND		ug/kg dry	122	357	1	EPA 8270D	10/17/2014 07:26	10/20/2014 05:53	SR
207-08-9	Benzo(k)fluoranthene	100	J	ug/kg dry	45.0	178	1	EPA 8270D	10/17/2014 07:26	10/20/2014 05:53	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	90.0	178	1	EPA 8270D	10/17/2014 07:26	10/20/2014 05:53	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	45.0	178	1	EPA 8270D	10/17/2014 07:26	10/20/2014 05:53	SR
92-52-4	1,1'-Biphenyl	ND		ug/kg dry	45.0	178	1	EPA 8270D	10/17/2014 07:26	10/20/2014 05:53	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	45.0	178	1	EPA 8270D	10/17/2014 07:26	10/20/2014 05:53	SR
105-60-2	Caprolactam	ND		ug/kg dry	45.0	178	1	EPA 8270D	10/17/2014 07:26	10/20/2014 05:53	SR
86-74-8	Carbazole	ND		ug/kg dry	45.0	178	1	EPA 8270D	10/17/2014 07:26	10/20/2014 05:53	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	90.0	178	1	EPA 8270D	10/17/2014 07:26	10/20/2014 05:53	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	90.0	178	1	EPA 8270D	10/17/2014 07:26	10/20/2014 05:53	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	45.0	178	1	EPA 8270D	10/17/2014 07:26	10/20/2014 05:53	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	45.0	178	1	EPA 8270D	10/17/2014 07:26	10/20/2014 05:53	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	45.0	178	1	EPA 8270D	10/17/2014 07:26	10/20/2014 05:53	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	45.0	178	1	EPA 8270D	10/17/2014 07:26	10/20/2014 05:53	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	45.0	178	1	EPA 8270D	10/17/2014 07:26	10/20/2014 05:53	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	45.0	178	1	EPA 8270D	10/17/2014 07:26	10/20/2014 05:53	SR
218-01-9	Chrysene	269		ug/kg dry	45.0	178	1	EPA 8270D	10/17/2014 07:26	10/20/2014 05:53	SR
53-70-3	Dibenzo(a,h)anthracene	ND	IS-LO	ug/kg dry	45.0	178	1	EPA 8270D	10/17/2014 07:26	10/20/2014 05:53	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	45.0	178	1	EPA 8270D	10/17/2014 07:26	10/20/2014 05:53	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	45.0	178	1	EPA 8270D	10/17/2014 07:26	10/20/2014 05:53	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	45.0	178	1	EPA 8270D	10/17/2014 07:26	10/20/2014 05:53	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	45.0	178	1	EPA 8270D	10/17/2014 07:26	10/20/2014 05:53	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	45.0	178	1	EPA 8270D	10/17/2014 07:26	10/20/2014 05:53	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	179	357	1	EPA 8270D	10/17/2014 07:26	10/20/2014 05:53	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	90.0	178	1	EPA 8270D	10/17/2014 07:26	10/20/2014 05:53	SR



Sample Information

Client Sample ID: SB-5 0-2' 20141014

York Sample ID: 14J0592-01

<u>York Project (SDG) No.</u> 14J0592	<u>Client Project ID</u> 560944	<u>Matrix</u> Soil	<u>Collection Date/Time</u> October 14, 2014 10:50 am	<u>Date Received</u> 10/14/2014
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Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
84-66-2	Diethyl phthalate	ND		ug/kg dry	45.0	178	1	EPA 8270D	10/17/2014 07:26	10/20/2014 05:53	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	45.0	178	1	EPA 8270D	10/17/2014 07:26	10/20/2014 05:53	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	45.0	178	1	EPA 8270D	10/17/2014 07:26	10/20/2014 05:53	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	90.0	178	1	EPA 8270D	10/17/2014 07:26	10/20/2014 05:53	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	179	357	1	EPA 8270D	10/17/2014 07:26	10/20/2014 05:53	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	90.0	178	1	EPA 8270D	10/17/2014 07:26	10/20/2014 05:53	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	45.0	178	1	EPA 8270D	10/17/2014 07:26	10/20/2014 05:53	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	45.0	178	1	EPA 8270D	10/17/2014 07:26	10/20/2014 05:53	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	45.0	178	1	EPA 8270D	10/17/2014 07:26	10/20/2014 05:53	SR
117-81-7	Bis(2-ethylhexyl)phthalate	53.5	J	ug/kg dry	45.0	178	1	EPA 8270D	10/17/2014 07:26	10/20/2014 05:53	SR
206-44-0	Fluoranthene	432		ug/kg dry	45.0	178	1	EPA 8270D	10/17/2014 07:26	10/20/2014 05:53	SR
86-73-7	Fluorene	ND		ug/kg dry	45.0	178	1	EPA 8270D	10/17/2014 07:26	10/20/2014 05:53	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	45.0	178	1	EPA 8270D	10/17/2014 07:26	10/20/2014 05:53	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	45.0	178	1	EPA 8270D	10/17/2014 07:26	10/20/2014 05:53	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	90.0	178	1	EPA 8270D	10/17/2014 07:26	10/20/2014 05:53	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	45.0	178	1	EPA 8270D	10/17/2014 07:26	10/20/2014 05:53	SR
193-39-5	Indeno(1,2,3-cd)pyrene	71.8	IS-LO, J	ug/kg dry	45.0	178	1	EPA 8270D	10/17/2014 07:26	10/20/2014 05:53	SR
78-59-1	Isophorone	ND		ug/kg dry	45.0	178	1	EPA 8270D	10/17/2014 07:26	10/20/2014 05:53	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	45.0	178	1	EPA 8270D	10/17/2014 07:26	10/20/2014 05:53	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	90.0	178	1	EPA 8270D	10/17/2014 07:26	10/20/2014 05:53	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	90.0	178	1	EPA 8270D	10/17/2014 07:26	10/20/2014 05:53	SR
91-20-3	Naphthalene	ND		ug/kg dry	45.0	178	1	EPA 8270D	10/17/2014 07:26	10/20/2014 05:53	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	90.0	178	1	EPA 8270D	10/17/2014 07:26	10/20/2014 05:53	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	45.0	178	1	EPA 8270D	10/17/2014 07:26	10/20/2014 05:53	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	90.0	178	1	EPA 8270D	10/17/2014 07:26	10/20/2014 05:53	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	45.0	178	1	EPA 8270D	10/17/2014 07:26	10/20/2014 05:53	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	45.0	178	1	EPA 8270D	10/17/2014 07:26	10/20/2014 05:53	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	90.0	178	1	EPA 8270D	10/17/2014 07:26	10/20/2014 05:53	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	45.0	178	1	EPA 8270D	10/17/2014 07:26	10/20/2014 05:53	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	90.0	178	1	EPA 8270D	10/17/2014 07:26	10/20/2014 05:53	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	45.0	178	1	EPA 8270D	10/17/2014 07:26	10/20/2014 05:53	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	90.0	178	1	EPA 8270D	10/17/2014 07:26	10/20/2014 05:53	SR
85-01-8	Phenanthrene	241		ug/kg dry	45.0	178	1	EPA 8270D	10/17/2014 07:26	10/20/2014 05:53	SR
108-95-2	Phenol	ND		ug/kg dry	45.0	178	1	EPA 8270D	10/17/2014 07:26	10/20/2014 05:53	SR
129-00-0	Pyrene	396		ug/kg dry	45.0	178	1	EPA 8270D	10/17/2014 07:26	10/20/2014 05:53	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	90.0	178	1	EPA 8270D	10/17/2014 07:26	10/20/2014 05:53	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	45.0	178	1	EPA 8270D	10/17/2014 07:26	10/20/2014 05:53	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	45.0	178	1	EPA 8270D	10/17/2014 07:26	10/20/2014 05:53	SR



Sample Information

Client Sample ID: SB-5 0-2' 20141014

York Sample ID: 14J0592-01

<u>York Project (SDG) No.</u> 14J0592	<u>Client Project ID</u> 560944	<u>Matrix</u> Soil	<u>Collection Date/Time</u> October 14, 2014 10:50 am	<u>Date Received</u> 10/14/2014
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Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	45.0	178	1	EPA 8270D	10/17/2014 07:26	10/20/2014 05:53	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	45.0	178	1	EPA 8270D	10/17/2014 07:26	10/20/2014 05:53	SR
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: 2-Fluorophenol	53.5 %			10-105						
4165-62-2	Surrogate: Phenol-d5	52.1 %			10-118						
4165-60-0	Surrogate: Nitrobenzene-d5	50.9 %			10-140						
321-60-8	Surrogate: 2-Fluorobiphenyl	66.8 %			10-126						
118-79-6	Surrogate: 2,4,6-Tribromophenol	51.4 %			10-150						
1718-51-0	Surrogate: Terphenyl-d14	51.5 %			10-137						

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	1.77	1.77	5	EPA 8081B	10/17/2014 13:35	10/20/2014 15:18	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.77	1.77	5	EPA 8081B	10/17/2014 13:35	10/20/2014 15:18	JW
50-29-3	4,4'-DDT	4.86		ug/kg dry	1.77	1.77	5	EPA 8081B	10/17/2014 13:35	10/20/2014 15:18	JW
309-00-2	Aldrin	ND		ug/kg dry	1.77	1.77	5	EPA 8081B	10/17/2014 13:35	10/20/2014 15:18	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.77	1.77	5	EPA 8081B	10/17/2014 13:35	10/20/2014 15:18	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.77	1.77	5	EPA 8081B	10/17/2014 13:35	10/20/2014 15:18	JW
57-74-9	Chlordane, total	ND		ug/kg dry	70.7	70.7	5	EPA 8081B	10/17/2014 13:35	10/20/2014 15:18	JW
5103-74-2	gamma-Chlordane	3.13		ug/kg dry	1.77	1.77	5	EPA 8081B	10/17/2014 13:35	10/20/2014 15:18	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.77	1.77	5	EPA 8081B	10/17/2014 13:35	10/20/2014 15:18	JW
60-57-1	Dieldrin	4.86		ug/kg dry	1.77	1.77	5	EPA 8081B	10/17/2014 13:35	10/20/2014 15:18	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.77	1.77	5	EPA 8081B	10/17/2014 13:35	10/20/2014 15:18	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	1.77	1.77	5	EPA 8081B	10/17/2014 13:35	10/20/2014 15:18	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.77	1.77	5	EPA 8081B	10/17/2014 13:35	10/20/2014 15:18	JW
72-20-8	Endrin	ND		ug/kg dry	1.77	1.77	5	EPA 8081B	10/17/2014 13:35	10/20/2014 15:18	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.77	1.77	5	EPA 8081B	10/17/2014 13:35	10/20/2014 15:18	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.77	1.77	5	EPA 8081B	10/17/2014 13:35	10/20/2014 15:18	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.77	1.77	5	EPA 8081B	10/17/2014 13:35	10/20/2014 15:18	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.77	1.77	5	EPA 8081B	10/17/2014 13:35	10/20/2014 15:18	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.77	1.77	5	EPA 8081B	10/17/2014 13:35	10/20/2014 15:18	JW
5103-71-9	alpha-Chlordane	2.78		ug/kg dry	1.77	1.77	5	EPA 8081B	10/17/2014 13:35	10/20/2014 15:18	JW
72-43-5	Methoxychlor	ND		ug/kg dry	8.83	8.83	5	EPA 8081B	10/17/2014 13:35	10/20/2014 15:18	JW
8001-35-2	Toxaphene	ND		ug/kg dry	89.4	89.4	5	EPA 8081B	10/17/2014 13:35	10/20/2014 15:18	JW
Surrogate Recoveries		Result			Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	74.1 %			30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	65.0 %			30-140						



Sample Information

Client Sample ID: SB-5 0-2' 20141014

York Sample ID: 14J0592-01

<u>York Project (SDG) No.</u> 14J0592	<u>Client Project ID</u> 560944	<u>Matrix</u> Soil	<u>Collection Date/Time</u> October 14, 2014 10:50 am	<u>Date Received</u> 10/14/2014
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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
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0178	0.0178	1	EPA 8082A	10/17/2014 13:35	10/20/2014 14:18	JW
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0178	0.0178	1	EPA 8082A	10/17/2014 13:35	10/20/2014 14:18	JW
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0178	0.0178	1	EPA 8082A	10/17/2014 13:35	10/20/2014 14:18	JW
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0178	0.0178	1	EPA 8082A	10/17/2014 13:35	10/20/2014 14:18	JW
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0178	0.0178	1	EPA 8082A	10/17/2014 13:35	10/20/2014 14:18	JW
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0178	0.0178	1	EPA 8082A	10/17/2014 13:35	10/20/2014 14:18	JW
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0178	0.0178	1	EPA 8082A	10/17/2014 13:35	10/20/2014 14:18	JW
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0178	0.0178	1	EPA 8082A	10/17/2014 13:35	10/20/2014 14:18	JW
Surrogate Recoveries		Result			Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	65.0 %			30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	63.5 %			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	6590		mg/kg dry	1.07	1.07	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:30	MW
7440-36-0	Antimony	ND		mg/kg dry	0.535	0.535	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:30	MW
7440-38-2	Arsenic	5.69		mg/kg dry	1.07	1.07	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:30	MW
7440-39-3	Barium	161		mg/kg dry	1.07	1.07	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:30	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.107	0.107	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:30	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.321	0.321	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:30	MW
7440-70-2	Calcium	90600		mg/kg dry	0.535	5.35	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:30	MW
7440-47-3	Chromium	13.5		mg/kg dry	0.535	0.535	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:30	MW
7440-48-4	Cobalt	6.31		mg/kg dry	0.535	0.535	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:30	MW
7440-50-8	Copper	29.4		mg/kg dry	0.535	0.535	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:30	MW
7439-89-6	Iron	14100		mg/kg dry	2.14	2.14	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:30	MW
7439-92-1	Lead	167		mg/kg dry	0.321	0.321	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:30	MW
7439-95-4	Magnesium	40600		mg/kg dry	5.35	5.35	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:30	MW
7439-96-5	Manganese	250		mg/kg dry	0.535	0.535	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:30	MW
7440-02-0	Nickel	17.7		mg/kg dry	0.535	0.535	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:30	MW
7440-09-7	Potassium	1350		mg/kg dry	5.35	5.35	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:30	MW
7782-49-2	Selenium	ND		mg/kg dry	1.07	1.07	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:30	MW
7440-22-4	Silver	ND		mg/kg dry	0.535	0.535	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:30	MW
7440-23-5	Sodium	277		mg/kg dry	10.7	10.7	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:30	MW
7440-28-0	Thallium	ND		mg/kg dry	1.07	1.07	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:30	MW
7440-62-2	Vanadium	25.5		mg/kg dry	1.07	1.07	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:30	MW
7440-66-6	Zinc	134		mg/kg dry	1.07	1.07	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:30	MW



Sample Information

Client Sample ID: SB-5 0-2' 20141014

York Sample ID: 14J0592-01

York Project (SDG) No. 14J0592 **Client Project ID** 560944 **Matrix** Soil **Collection Date/Time** October 14, 2014 10:50 am **Date Received** 10/14/2014

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	0.131		mg/kg dry	0.0321	0.0321	1	EPA 7473	10/17/2014 06:41	10/17/2014 11:11	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	93.4		%	0.100	0.100	1	SM 2540G	10/17/2014 12:15	10/17/2014 15:44	KK

Sample Information

Client Sample ID: SB-5 15-17' 20141014

York Sample ID: 14J0592-02

York Project (SDG) No. 14J0592 **Client Project ID** 560944 **Matrix** Soil **Collection Date/Time** October 14, 2014 10:55 am **Date Received** 10/14/2014

Volatile Organics, 8260 - Comprehensive

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	4.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:43	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:43	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:43	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	10/17/2014 08:36	10/17/2014 16:43	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:43	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:43	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:43	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:43	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:43	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:43	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:43	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:43	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:43	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:43	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:43	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:43	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:43	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	46	93	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:43	SS



Sample Information

Client Sample ID: SB-5 15-17' 20141014

York Sample ID: 14J0592-02

<u>York Project (SDG) No.</u> 14J0592	<u>Client Project ID</u> 560944	<u>Matrix</u> Soil	<u>Collection Date/Time</u> October 14, 2014 10:55 am	<u>Date Received</u> 10/14/2014
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Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-93-3	2-Butanone	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:43	SS
591-78-6	2-Hexanone	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:43	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:43	SS
67-64-1	Acetone	12	CCV-E	ug/kg dry	4.6	9.3	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:43	SS
107-02-8	Acrolein	ND		ug/kg dry	4.6	9.3	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:43	SS
107-13-1	Acrylonitrile	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:43	SS
71-43-2	Benzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:43	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:43	SS
75-25-2	Bromoform	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:43	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:43	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:43	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:43	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:43	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:43	SS
67-66-3	Chloroform	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:43	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:43	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:43	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:43	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:43	SS
74-95-3	Dibromomethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:43	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:43	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:43	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:43	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:43	SS
79-20-9	Methyl acetate	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:43	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:43	SS
75-09-2	Methylene chloride	ND		ug/kg dry	4.6	9.3	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:43	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:43	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:43	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:43	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.6	9.3	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:43	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:43	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:43	SS
100-42-5	Styrene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:43	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:43	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:43	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:43	SS
108-88-3	Toluene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:43	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:43	SS



Sample Information

Client Sample ID: SB-5 15-17' 20141014

York Sample ID: 14J0592-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14J0592

560944

Soil

October 14, 2014 10:55 am

10/14/2014

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:43	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:43	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:43	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:43	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	7.0	14	1	EPA 8260C	10/17/2014 08:36	10/17/2014 16:43	SS
	Surrogate Recoveries	Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	113 %			77-125						
460-00-4	Surrogate: p-Bromofluorobenzene	92.4 %			76-130						
2037-26-5	Surrogate: Toluene-d8	101 %			85-120						

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 16:38	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 16:38	SR
98-86-2	Acetophenone	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 16:38	SR
62-53-3	Aniline	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 16:38	SR
120-12-7	Anthracene	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 16:38	SR
1912-24-9	Atrazine	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 16:38	SR
100-52-7	Benzaldehyde	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 16:38	SR
92-87-5	Benzidine	ND		ug/kg dry	172	343	1	EPA 8270D	10/17/2014 07:26	10/17/2014 16:38	SR
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 16:38	SR
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 16:38	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 16:38	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	86.4	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 16:38	SR
65-85-0	Benzoic acid	ND		ug/kg dry	117	343	1	EPA 8270D	10/17/2014 07:26	10/17/2014 16:38	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 16:38	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	86.4	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 16:38	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 16:38	SR
92-52-4	1,1'-Biphenyl	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 16:38	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 16:38	SR
105-60-2	Caprolactam	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 16:38	SR
86-74-8	Carbazole	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 16:38	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	86.4	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 16:38	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	86.4	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 16:38	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 16:38	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 16:38	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 16:38	SR



Sample Information

Client Sample ID: SB-5 15-17' 20141014

York Sample ID: 14J0592-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14J0592

560944

Soil

October 14, 2014 10:55 am

10/14/2014

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 16:38	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 16:38	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 16:38	SR
218-01-9	Chrysene	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 16:38	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 16:38	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 16:38	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 16:38	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 16:38	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 16:38	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 16:38	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	172	343	1	EPA 8270D	10/17/2014 07:26	10/17/2014 16:38	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	86.4	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 16:38	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 16:38	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 16:38	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 16:38	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	86.4	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 16:38	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	172	343	1	EPA 8270D	10/17/2014 07:26	10/17/2014 16:38	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	86.4	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 16:38	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 16:38	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 16:38	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 16:38	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 16:38	SR
206-44-0	Fluoranthene	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 16:38	SR
86-73-7	Fluorene	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 16:38	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 16:38	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 16:38	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	86.4	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 16:38	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 16:38	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 16:38	SR
78-59-1	Isophorone	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 16:38	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 16:38	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	86.4	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 16:38	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	86.4	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 16:38	SR
91-20-3	Naphthalene	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 16:38	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	86.4	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 16:38	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 16:38	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	86.4	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 16:38	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 16:38	SR



Sample Information

Client Sample ID: SB-5 15-17' 20141014

York Sample ID: 14J0592-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14J0592

560944

Soil

October 14, 2014 10:55 am

10/14/2014

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
88-75-5	2-Nitrophenol	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 16:38	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	86.4	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 16:38	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 16:38	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	86.4	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 16:38	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 16:38	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	86.4	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 16:38	SR
85-01-8	Phenanthrene	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 16:38	SR
108-95-2	Phenol	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 16:38	SR
129-00-0	Pyrene	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 16:38	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	86.4	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 16:38	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 16:38	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 16:38	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 16:38	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 16:38	SR
	Surrogate Recoveries	Result			Acceptance Range						
367-12-4	Surrogate: 2-Fluorophenol	37.8 %			10-105						
4165-62-2	Surrogate: Phenol-d5	39.0 %			10-118						
4165-60-0	Surrogate: Nitrobenzene-d5	34.9 %			10-140						
321-60-8	Surrogate: 2-Fluorobiphenyl	47.3 %			10-126						
118-79-6	Surrogate: 2,4,6-Tribromophenol	41.2 %			10-150						
1718-51-0	Surrogate: Terphenyl-d14	46.9 %			10-137						

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	1.70	1.70	5	EPA 8081B	10/17/2014 13:35	10/20/2014 15:33	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.70	1.70	5	EPA 8081B	10/17/2014 13:35	10/20/2014 15:33	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.70	1.70	5	EPA 8081B	10/17/2014 13:35	10/20/2014 15:33	JW
309-00-2	Aldrin	ND		ug/kg dry	1.70	1.70	5	EPA 8081B	10/17/2014 13:35	10/20/2014 15:33	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.70	1.70	5	EPA 8081B	10/17/2014 13:35	10/20/2014 15:33	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.70	1.70	5	EPA 8081B	10/17/2014 13:35	10/20/2014 15:33	JW
57-74-9	Chlordane, total	ND		ug/kg dry	67.9	67.9	5	EPA 8081B	10/17/2014 13:35	10/20/2014 15:33	JW
5103-74-2	gamma-Chlordane	ND		ug/kg dry	1.70	1.70	5	EPA 8081B	10/17/2014 13:35	10/20/2014 15:33	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.70	1.70	5	EPA 8081B	10/17/2014 13:35	10/20/2014 15:33	JW
60-57-1	Dieldrin	ND		ug/kg dry	1.70	1.70	5	EPA 8081B	10/17/2014 13:35	10/20/2014 15:33	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.70	1.70	5	EPA 8081B	10/17/2014 13:35	10/20/2014 15:33	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	1.70	1.70	5	EPA 8081B	10/17/2014 13:35	10/20/2014 15:33	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.70	1.70	5	EPA 8081B	10/17/2014 13:35	10/20/2014 15:33	JW



Sample Information

Client Sample ID: SB-5 15-17' 20141014

York Sample ID: 14J0592-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14J0592

560944

Soil

October 14, 2014 10:55 am

10/14/2014

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
72-20-8	Endrin	ND		ug/kg dry	1.70	1.70	5	EPA 8081B	10/17/2014 13:35	10/20/2014 15:33	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.70	1.70	5	EPA 8081B	10/17/2014 13:35	10/20/2014 15:33	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.70	1.70	5	EPA 8081B	10/17/2014 13:35	10/20/2014 15:33	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.70	1.70	5	EPA 8081B	10/17/2014 13:35	10/20/2014 15:33	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.70	1.70	5	EPA 8081B	10/17/2014 13:35	10/20/2014 15:33	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.70	1.70	5	EPA 8081B	10/17/2014 13:35	10/20/2014 15:33	JW
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.70	1.70	5	EPA 8081B	10/17/2014 13:35	10/20/2014 15:33	JW
72-43-5	Methoxychlor	ND		ug/kg dry	8.49	8.49	5	EPA 8081B	10/17/2014 13:35	10/20/2014 15:33	JW
8001-35-2	Toxaphene	ND		ug/kg dry	85.9	85.9	5	EPA 8081B	10/17/2014 13:35	10/20/2014 15:33	JW
Surrogate Recoveries		Result			Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	81.2 %			30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	72.1 %			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	0.0171	0.0171	1	EPA 8082A	10/17/2014 13:35	10/20/2014 13:20	JW
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0171	0.0171	1	EPA 8082A	10/17/2014 13:35	10/20/2014 13:20	JW
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0171	0.0171	1	EPA 8082A	10/17/2014 13:35	10/20/2014 13:20	JW
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0171	0.0171	1	EPA 8082A	10/17/2014 13:35	10/20/2014 13:20	JW
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0171	0.0171	1	EPA 8082A	10/17/2014 13:35	10/20/2014 13:20	JW
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0171	0.0171	1	EPA 8082A	10/17/2014 13:35	10/20/2014 13:20	JW
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0171	0.0171	1	EPA 8082A	10/17/2014 13:35	10/20/2014 13:20	JW
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0171	0.0171	1	EPA 8082A	10/17/2014 13:35	10/20/2014 13:20	JW
Surrogate Recoveries		Result			Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	64.0 %			30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	60.0 %			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	6460		mg/kg dry	1.03	1.03	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:35	MW
7440-36-0	Antimony	ND		mg/kg dry	0.514	0.514	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:35	MW
7440-38-2	Arsenic	ND		mg/kg dry	1.03	1.03	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:35	MW
7440-39-3	Barium	40.0		mg/kg dry	1.03	1.03	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:35	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.103	0.103	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:35	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.309	0.309	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:35	MW



Sample Information

Client Sample ID: SB-5 15-17' 20141014

York Sample ID: 14J0592-02

<u>York Project (SDG) No.</u> 14J0592	<u>Client Project ID</u> 560944	<u>Matrix</u> Soil	<u>Collection Date/Time</u> October 14, 2014 10:55 am	<u>Date Received</u> 10/14/2014
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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	11300		mg/kg dry	0.514	5.14	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:35	MW
7440-47-3	Chromium	12.4		mg/kg dry	0.514	0.514	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:35	MW
7440-48-4	Cobalt	6.04		mg/kg dry	0.514	0.514	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:35	MW
7440-50-8	Copper	7.57		mg/kg dry	0.514	0.514	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:35	MW
7439-89-6	Iron	12800		mg/kg dry	2.06	2.06	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:35	MW
7439-92-1	Lead	2.61		mg/kg dry	0.309	0.309	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:35	MW
7439-95-4	Magnesium	8890		mg/kg dry	5.14	5.14	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:35	MW
7439-96-5	Manganese	125		mg/kg dry	0.514	0.514	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:35	MW
7440-02-0	Nickel	12.9		mg/kg dry	0.514	0.514	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:35	MW
7440-09-7	Potassium	1700		mg/kg dry	5.14	5.14	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:35	MW
7782-49-2	Selenium	ND		mg/kg dry	1.03	1.03	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:35	MW
7440-22-4	Silver	ND		mg/kg dry	0.514	0.514	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:35	MW
7440-23-5	Sodium	96.7		mg/kg dry	10.3	10.3	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:35	MW
7440-28-0	Thallium	ND		mg/kg dry	1.03	1.03	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:35	MW
7440-62-2	Vanadium	15.6		mg/kg dry	1.03	1.03	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:35	MW
7440-66-6	Zinc	30.6		mg/kg dry	1.03	1.03	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:35	MW

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	0.0309	0.0309	1	EPA 7473	10/17/2014 06:41	10/17/2014 11:21	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
solids	* % Solids	97.2		%	0.100	0.100	1	SM 2540G	10/17/2014 12:15	10/17/2014 15:44	KK

Sample Information

Client Sample ID: SB-4 0-2' 20141014

York Sample ID: 14J0592-03

<u>York Project (SDG) No.</u> 14J0592	<u>Client Project ID</u> 560944	<u>Matrix</u> Soil	<u>Collection Date/Time</u> October 14, 2014 11:55 am	<u>Date Received</u> 10/14/2014
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Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: SB-4 0-2' 20141014

York Sample ID: 14J0592-03

<u>York Project (SDG) No.</u> 14J0592	<u>Client Project ID</u> 560944	<u>Matrix</u> Soil	<u>Collection Date/Time</u> October 14, 2014 11:55 am	<u>Date Received</u> 10/14/2014
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Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:18	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:18	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:18	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:18	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:18	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:18	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:18	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:18	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:18	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:18	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:18	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:18	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:18	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:18	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:18	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:18	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:18	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	56	110	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:18	SS
78-93-3	2-Butanone	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:18	SS
591-78-6	2-Hexanone	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:18	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:18	SS
67-64-1	Acetone	ND		ug/kg dry	5.6	11	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:18	SS
107-02-8	Acrolein	ND		ug/kg dry	5.6	11	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:18	SS
107-13-1	Acrylonitrile	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:18	SS
71-43-2	Benzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:18	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:18	SS
75-25-2	Bromoform	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:18	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:18	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:18	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:18	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:18	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:18	SS
67-66-3	Chloroform	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:18	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:18	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:18	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:18	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:18	SS
74-95-3	Dibromomethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:18	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:18	SS



Sample Information

Client Sample ID: SB-4 0-2' 20141014

York Sample ID: 14J0592-03

<u>York Project (SDG) No.</u> 14J0592	<u>Client Project ID</u> 560944	<u>Matrix</u> Soil	<u>Collection Date/Time</u> October 14, 2014 11:55 am	<u>Date Received</u> 10/14/2014
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Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:18	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:18	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:18	SS
79-20-9	Methyl acetate	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:18	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:18	SS
75-09-2	Methylene chloride	ND		ug/kg dry	5.6	11	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:18	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:18	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:18	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:18	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.6	11	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:18	SS
99-87-6	p-Isopropyltoluene	5.5	J	ug/kg dry	2.8	5.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:18	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:18	SS
100-42-5	Styrene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:18	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:18	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:18	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:18	SS
108-88-3	Toluene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:18	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:18	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:18	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:18	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:18	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:18	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	8.4	17	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:18	SS
	Surrogate Recoveries	Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	108 %			77-125						
460-00-4	Surrogate: p-Bromofluorobenzene	108 %			76-130						
2037-26-5	Surrogate: Toluene-d8	112 %			85-120						



Sample Information

Client Sample ID: SB-4 0-2' 20141014

York Sample ID: 14J0592-03

York Project (SDG) No. 14J0592 Client Project ID 560944 Matrix Soil Collection Date/Time October 14, 2014 11:55 am Date Received 10/14/2014

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	572	J	ug/kg dry	456	1810	10	EPA 8270D	10/20/2014 10:14	10/21/2014 14:05	KH
208-96-8	Acenaphthylene	539	J	ug/kg dry	456	1810	10	EPA 8270D	10/20/2014 10:14	10/21/2014 14:05	KH
98-86-2	Acetophenone	ND		ug/kg dry	456	1810	10	EPA 8270D	10/20/2014 10:14	10/21/2014 14:05	KH
62-53-3	Aniline	ND		ug/kg dry	456	1810	10	EPA 8270D	10/20/2014 10:14	10/21/2014 14:05	KH
120-12-7	Anthracene	1550	J	ug/kg dry	456	1810	10	EPA 8270D	10/20/2014 10:14	10/21/2014 14:05	KH
1912-24-9	Atrazine	ND		ug/kg dry	456	1810	10	EPA 8270D	10/20/2014 10:14	10/21/2014 14:05	KH
100-52-7	Benzaldehyde	ND		ug/kg dry	456	1810	10	EPA 8270D	10/20/2014 10:14	10/21/2014 14:05	KH
92-87-5	Benzidine	ND		ug/kg dry	1810	3620	10	EPA 8270D	10/20/2014 10:14	10/21/2014 14:05	KH
56-55-3	Benzo(a)anthracene	4710		ug/kg dry	456	1810	10	EPA 8270D	10/20/2014 10:14	10/21/2014 14:05	KH
50-32-8	Benzo(a)pyrene	2440		ug/kg dry	456	1810	10	EPA 8270D	10/20/2014 10:14	10/21/2014 14:05	KH
205-99-2	Benzo(b)fluoranthene	2580		ug/kg dry	456	1810	10	EPA 8270D	10/20/2014 10:14	10/21/2014 14:05	KH
191-24-2	Benzo(g,h,i)perylene	1590	J	ug/kg dry	912	1810	10	EPA 8270D	10/20/2014 10:14	10/21/2014 14:05	KH
65-85-0	Benzoic acid	ND		ug/kg dry	1240	3620	10	EPA 8270D	10/20/2014 10:14	10/21/2014 14:05	KH
207-08-9	Benzo(k)fluoranthene	2180		ug/kg dry	456	1810	10	EPA 8270D	10/20/2014 10:14	10/21/2014 14:05	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	912	1810	10	EPA 8270D	10/20/2014 10:14	10/21/2014 14:05	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	456	1810	10	EPA 8270D	10/20/2014 10:14	10/21/2014 14:05	KH
92-52-4	1,1'-Biphenyl	ND		ug/kg dry	456	1810	10	EPA 8270D	10/20/2014 10:14	10/21/2014 14:05	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	456	1810	10	EPA 8270D	10/20/2014 10:14	10/21/2014 14:05	KH
105-60-2	Caprolactam	ND		ug/kg dry	456	1810	10	EPA 8270D	10/20/2014 10:14	10/21/2014 14:05	KH
86-74-8	Carbazole	496	J	ug/kg dry	456	1810	10	EPA 8270D	10/20/2014 10:14	10/21/2014 14:05	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	912	1810	10	EPA 8270D	10/20/2014 10:14	10/21/2014 14:05	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	912	1810	10	EPA 8270D	10/20/2014 10:14	10/21/2014 14:05	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	456	1810	10	EPA 8270D	10/20/2014 10:14	10/21/2014 14:05	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	456	1810	10	EPA 8270D	10/20/2014 10:14	10/21/2014 14:05	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	456	1810	10	EPA 8270D	10/20/2014 10:14	10/21/2014 14:05	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	456	1810	10	EPA 8270D	10/20/2014 10:14	10/21/2014 14:05	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	456	1810	10	EPA 8270D	10/20/2014 10:14	10/21/2014 14:05	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	456	1810	10	EPA 8270D	10/20/2014 10:14	10/21/2014 14:05	KH
218-01-9	Chrysene	4760		ug/kg dry	456	1810	10	EPA 8270D	10/20/2014 10:14	10/21/2014 14:05	KH
53-70-3	Dibenzo(a,h)anthracene	590	J	ug/kg dry	456	1810	10	EPA 8270D	10/20/2014 10:14	10/21/2014 14:05	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	456	1810	10	EPA 8270D	10/20/2014 10:14	10/21/2014 14:05	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	456	1810	10	EPA 8270D	10/20/2014 10:14	10/21/2014 14:05	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	456	1810	10	EPA 8270D	10/20/2014 10:14	10/21/2014 14:05	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	456	1810	10	EPA 8270D	10/20/2014 10:14	10/21/2014 14:05	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	456	1810	10	EPA 8270D	10/20/2014 10:14	10/21/2014 14:05	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	1810	3620	10	EPA 8270D	10/20/2014 10:14	10/21/2014 14:05	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	912	1810	10	EPA 8270D	10/20/2014 10:14	10/21/2014 14:05	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	456	1810	10	EPA 8270D	10/20/2014 10:14	10/21/2014 14:05	KH



Sample Information

Client Sample ID: SB-4 0-2' 20141014

York Sample ID: 14J0592-03

<u>York Project (SDG) No.</u> 14J0592	<u>Client Project ID</u> 560944	<u>Matrix</u> Soil	<u>Collection Date/Time</u> October 14, 2014 11:55 am	<u>Date Received</u> 10/14/2014
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Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	456	1810	10	EPA 8270D	10/20/2014 10:14	10/21/2014 14:05	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	456	1810	10	EPA 8270D	10/20/2014 10:14	10/21/2014 14:05	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	912	1810	10	EPA 8270D	10/20/2014 10:14	10/21/2014 14:05	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	1810	3620	10	EPA 8270D	10/20/2014 10:14	10/21/2014 14:05	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	912	1810	10	EPA 8270D	10/20/2014 10:14	10/21/2014 14:05	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	456	1810	10	EPA 8270D	10/20/2014 10:14	10/21/2014 14:05	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	456	1810	10	EPA 8270D	10/20/2014 10:14	10/21/2014 14:05	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	456	1810	10	EPA 8270D	10/20/2014 10:14	10/21/2014 14:05	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	456	1810	10	EPA 8270D	10/20/2014 10:14	10/21/2014 14:05	KH
206-44-0	Fluoranthene	8580		ug/kg dry	456	1810	10	EPA 8270D	10/20/2014 10:14	10/21/2014 14:05	KH
86-73-7	Fluorene	543	J	ug/kg dry	456	1810	10	EPA 8270D	10/20/2014 10:14	10/21/2014 14:05	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	456	1810	10	EPA 8270D	10/20/2014 10:14	10/21/2014 14:05	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	456	1810	10	EPA 8270D	10/20/2014 10:14	10/21/2014 14:05	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	912	1810	10	EPA 8270D	10/20/2014 10:14	10/21/2014 14:05	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	456	1810	10	EPA 8270D	10/20/2014 10:14	10/21/2014 14:05	KH
193-39-5	Indeno(1,2,3-cd)pyrene	1570	J	ug/kg dry	456	1810	10	EPA 8270D	10/20/2014 10:14	10/21/2014 14:05	KH
78-59-1	Isophorone	ND		ug/kg dry	456	1810	10	EPA 8270D	10/20/2014 10:14	10/21/2014 14:05	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	456	1810	10	EPA 8270D	10/20/2014 10:14	10/21/2014 14:05	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	912	1810	10	EPA 8270D	10/20/2014 10:14	10/21/2014 14:05	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	912	1810	10	EPA 8270D	10/20/2014 10:14	10/21/2014 14:05	KH
91-20-3	Naphthalene	ND		ug/kg dry	456	1810	10	EPA 8270D	10/20/2014 10:14	10/21/2014 14:05	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	912	1810	10	EPA 8270D	10/20/2014 10:14	10/21/2014 14:05	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	456	1810	10	EPA 8270D	10/20/2014 10:14	10/21/2014 14:05	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	912	1810	10	EPA 8270D	10/20/2014 10:14	10/21/2014 14:05	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	456	1810	10	EPA 8270D	10/20/2014 10:14	10/21/2014 14:05	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	456	1810	10	EPA 8270D	10/20/2014 10:14	10/21/2014 14:05	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	912	1810	10	EPA 8270D	10/20/2014 10:14	10/21/2014 14:05	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	456	1810	10	EPA 8270D	10/20/2014 10:14	10/21/2014 14:05	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	912	1810	10	EPA 8270D	10/20/2014 10:14	10/21/2014 14:05	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	456	1810	10	EPA 8270D	10/20/2014 10:14	10/21/2014 14:05	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	912	1810	10	EPA 8270D	10/20/2014 10:14	10/21/2014 14:05	KH
85-01-8	Phenanthrene	6350		ug/kg dry	456	1810	10	EPA 8270D	10/20/2014 10:14	10/21/2014 14:05	KH
108-95-2	Phenol	ND		ug/kg dry	456	1810	10	EPA 8270D	10/20/2014 10:14	10/21/2014 14:05	KH
129-00-0	Pyrene	9640		ug/kg dry	456	1810	10	EPA 8270D	10/20/2014 10:14	10/21/2014 14:05	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	912	1810	10	EPA 8270D	10/20/2014 10:14	10/21/2014 14:05	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	456	1810	10	EPA 8270D	10/20/2014 10:14	10/21/2014 14:05	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	456	1810	10	EPA 8270D	10/20/2014 10:14	10/21/2014 14:05	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	456	1810	10	EPA 8270D	10/20/2014 10:14	10/21/2014 14:05	KH



Sample Information

Client Sample ID: SB-4 0-2' 20141014

York Sample ID: 14J0592-03

<u>York Project (SDG) No.</u> 14J0592	<u>Client Project ID</u> 560944	<u>Matrix</u> Soil	<u>Collection Date/Time</u> October 14, 2014 11:55 am	<u>Date Received</u> 10/14/2014
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Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	456	1810	10	EPA 8270D	10/20/2014 10:14	10/21/2014 14:05	KH
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: 2-Fluorophenol	52.1 %			10-105						
4165-62-2	Surrogate: Phenol-d5	61.9 %			10-118						
4165-60-0	Surrogate: Nitrobenzene-d5	62.1 %			10-140						
321-60-8	Surrogate: 2-Fluorobiphenyl	71.2 %			10-126						
118-79-6	Surrogate: 2,4,6-Tribromophenol	84.9 %			10-150						
1718-51-0	Surrogate: Terphenyl-d14	79.2 %			10-137						

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	10/17/2014 13:35	10/20/2014 15:49	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.79	1.79	5	EPA 8081B	10/17/2014 13:35	10/20/2014 15:49	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.79	1.79	5	EPA 8081B	10/17/2014 13:35	10/20/2014 15:49	JW
309-00-2	Aldrin	ND		ug/kg dry	1.79	1.79	5	EPA 8081B	10/17/2014 13:35	10/20/2014 15:49	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.79	1.79	5	EPA 8081B	10/17/2014 13:35	10/20/2014 15:49	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.79	1.79	5	EPA 8081B	10/17/2014 13:35	10/20/2014 15:49	JW
57-74-9	Chlordane, total	ND		ug/kg dry	71.7	71.7	5	EPA 8081B	10/17/2014 13:35	10/20/2014 15:49	JW
5103-74-2	gamma-Chlordane	6.79		ug/kg dry	1.79	1.79	5	EPA 8081B	10/17/2014 13:35	10/20/2014 15:49	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.79	1.79	5	EPA 8081B	10/17/2014 13:35	10/20/2014 15:49	JW
60-57-1	Dieldrin	ND		ug/kg dry	1.79	1.79	5	EPA 8081B	10/17/2014 13:35	10/20/2014 15:49	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.79	1.79	5	EPA 8081B	10/17/2014 13:35	10/20/2014 15:49	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	1.79	1.79	5	EPA 8081B	10/17/2014 13:35	10/20/2014 15:49	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.79	1.79	5	EPA 8081B	10/17/2014 13:35	10/20/2014 15:49	JW
72-20-8	Endrin	ND		ug/kg dry	1.79	1.79	5	EPA 8081B	10/17/2014 13:35	10/20/2014 15:49	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.79	1.79	5	EPA 8081B	10/17/2014 13:35	10/20/2014 15:49	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.79	1.79	5	EPA 8081B	10/17/2014 13:35	10/20/2014 15:49	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.79	1.79	5	EPA 8081B	10/17/2014 13:35	10/20/2014 15:49	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.79	1.79	5	EPA 8081B	10/17/2014 13:35	10/20/2014 15:49	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.79	1.79	5	EPA 8081B	10/17/2014 13:35	10/20/2014 15:49	JW
5103-71-9	alpha-Chlordane	6.09		ug/kg dry	1.79	1.79	5	EPA 8081B	10/17/2014 13:35	10/20/2014 15:49	JW
72-43-5	Methoxychlor	ND		ug/kg dry	8.96	8.96	5	EPA 8081B	10/17/2014 13:35	10/20/2014 15:49	JW
8001-35-2	Toxaphene	ND		ug/kg dry	90.7	90.7	5	EPA 8081B	10/17/2014 13:35	10/20/2014 15:49	JW
Surrogate Recoveries		Result			Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	64.1 %			30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	65.1 %			30-140						



Sample Information

Client Sample ID: SB-4 0-2' 20141014

York Sample ID: 14J0592-03

<u>York Project (SDG) No.</u> 14J0592	<u>Client Project ID</u> 560944	<u>Matrix</u> Soil	<u>Collection Date/Time</u> October 14, 2014 11:55 am	<u>Date Received</u> 10/14/2014
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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
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0181	0.0181	1	EPA 8082A	10/17/2014 13:35	10/20/2014 14:37	JW
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0181	0.0181	1	EPA 8082A	10/17/2014 13:35	10/20/2014 14:37	JW
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0181	0.0181	1	EPA 8082A	10/17/2014 13:35	10/20/2014 14:37	JW
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0181	0.0181	1	EPA 8082A	10/17/2014 13:35	10/20/2014 14:37	JW
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0181	0.0181	1	EPA 8082A	10/17/2014 13:35	10/20/2014 14:37	JW
11097-69-1	Aroclor 1254	0.219		mg/kg dry	0.0181	0.0181	1	EPA 8082A	10/17/2014 13:35	10/20/2014 14:37	JW
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0181	0.0181	1	EPA 8082A	10/17/2014 13:35	10/20/2014 14:37	JW
1336-36-3	* Total PCBs	0.219		mg/kg dry	0.0181	0.0181	1	EPA 8082A	10/17/2014 13:35	10/20/2014 14:37	JW
	Surrogate Recoveries	Result									
877-09-8	Surrogate: Tetrachloro-m-xylene	56.5 %				30-140					
2051-24-3	Surrogate: Decachlorobiphenyl	64.0 %				30-140					

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	10500		mg/kg dry	1.09	1.09	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:39	MW
7440-36-0	Antimony	ND		mg/kg dry	0.543	0.543	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:39	MW
7440-38-2	Arsenic	4.50		mg/kg dry	1.09	1.09	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:39	MW
7440-39-3	Barium	312		mg/kg dry	1.09	1.09	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:39	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.109	0.109	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:39	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.326	0.326	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:39	MW
7440-70-2	Calcium	32300		mg/kg dry	0.543	5.43	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:39	MW
7440-47-3	Chromium	21.0		mg/kg dry	0.543	0.543	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:39	MW
7440-48-4	Cobalt	8.66		mg/kg dry	0.543	0.543	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:39	MW
7440-50-8	Copper	40.5		mg/kg dry	0.543	0.543	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:39	MW
7439-89-6	Iron	17700		mg/kg dry	2.17	2.17	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:39	MW
7439-92-1	Lead	213		mg/kg dry	0.326	0.326	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:39	MW
7439-95-4	Magnesium	11900		mg/kg dry	5.43	5.43	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:39	MW
7439-96-5	Manganese	311		mg/kg dry	0.543	0.543	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:39	MW
7440-02-0	Nickel	23.1		mg/kg dry	0.543	0.543	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:39	MW
7440-09-7	Potassium	2160		mg/kg dry	5.43	5.43	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:39	MW
7782-49-2	Selenium	ND		mg/kg dry	1.09	1.09	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:39	MW
7440-22-4	Silver	ND		mg/kg dry	0.543	0.543	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:39	MW
7440-23-5	Sodium	215		mg/kg dry	10.9	10.9	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:39	MW
7440-28-0	Thallium	ND		mg/kg dry	1.09	1.09	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:39	MW
7440-62-2	Vanadium	31.0		mg/kg dry	1.09	1.09	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:39	MW
7440-66-6	Zinc	227		mg/kg dry	1.09	1.09	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:39	MW



Sample Information

Client Sample ID: SB-4 0-2' 20141014

York Sample ID: 14J0592-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14J0592

560944

Soil

October 14, 2014 11:55 am

10/14/2014

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	0.286		mg/kg dry	0.0326	0.0326	1	EPA 7473	10/17/2014 06:41	10/17/2014 11:30	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	10/17/2014 12:15	10/17/2014 15:44	KK

Sample Information

Client Sample ID: SB-4 10-12' 20141014

York Sample ID: 14J0592-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14J0592

560944

Soil

October 14, 2014 12:15 pm

10/14/2014

Volatile Organics, 8260 - Comprehensive

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	2.2	4.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:53	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:53	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:53	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:53	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:53	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:53	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:53	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:53	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:53	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:53	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:53	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:53	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:53	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:53	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:53	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:53	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:53	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	44	89	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:53	SS



Sample Information

Client Sample ID: SB-4 10-12' 20141014

York Sample ID: 14J0592-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14J0592

560944

Soil

October 14, 2014 12:15 pm

10/14/2014

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-93-3	2-Butanone	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:53	SS
591-78-6	2-Hexanone	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:53	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:53	SS
67-64-1	Acetone	9.0	CCV-E	ug/kg dry	4.4	8.9	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:53	SS
107-02-8	Acrolein	ND		ug/kg dry	4.4	8.9	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:53	SS
107-13-1	Acrylonitrile	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:53	SS
71-43-2	Benzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:53	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:53	SS
75-25-2	Bromoform	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:53	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:53	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:53	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:53	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:53	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:53	SS
67-66-3	Chloroform	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:53	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:53	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:53	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:53	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:53	SS
74-95-3	Dibromomethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:53	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:53	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:53	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:53	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:53	SS
79-20-9	Methyl acetate	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:53	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:53	SS
75-09-2	Methylene chloride	ND		ug/kg dry	4.4	8.9	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:53	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:53	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:53	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:53	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.4	8.9	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:53	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:53	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:53	SS
100-42-5	Styrene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:53	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:53	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:53	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:53	SS
108-88-3	Toluene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:53	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:53	SS



Sample Information

Client Sample ID: SB-4 10-12' 20141014

York Sample ID: 14J0592-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14J0592

560944

Soil

October 14, 2014 12:15 pm

10/14/2014

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:53	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:53	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:53	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:53	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	6.7	13	1	EPA 8260C	10/17/2014 08:36	10/17/2014 17:53	SS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	116 %			77-125						
460-00-4	Surrogate: p-Bromofluorobenzene	92.8 %			76-130						
2037-26-5	Surrogate: Toluene-d8	101 %			85-120						

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 17:10	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 17:10	SR
98-86-2	Acetophenone	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 17:10	SR
62-53-3	Aniline	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 17:10	SR
120-12-7	Anthracene	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 17:10	SR
1912-24-9	Atrazine	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 17:10	SR
100-52-7	Benzaldehyde	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 17:10	SR
92-87-5	Benzidine	ND		ug/kg dry	172	343	1	EPA 8270D	10/17/2014 07:26	10/17/2014 17:10	SR
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 17:10	SR
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 17:10	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 17:10	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	86.4	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 17:10	SR
65-85-0	Benzoic acid	ND		ug/kg dry	117	343	1	EPA 8270D	10/17/2014 07:26	10/17/2014 17:10	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 17:10	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	86.4	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 17:10	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 17:10	SR
92-52-4	1,1'-Biphenyl	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 17:10	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 17:10	SR
105-60-2	Caprolactam	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 17:10	SR
86-74-8	Carbazole	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 17:10	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	86.4	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 17:10	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	86.4	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 17:10	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 17:10	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 17:10	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 17:10	SR



Sample Information

Client Sample ID: SB-4 10-12' 20141014

York Sample ID: 14J0592-04

<u>York Project (SDG) No.</u> 14J0592	<u>Client Project ID</u> 560944	<u>Matrix</u> Soil	<u>Collection Date/Time</u> October 14, 2014 12:15 pm	<u>Date Received</u> 10/14/2014
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Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 17:10	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 17:10	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 17:10	SR
218-01-9	Chrysene	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 17:10	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 17:10	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 17:10	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 17:10	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 17:10	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 17:10	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 17:10	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	172	343	1	EPA 8270D	10/17/2014 07:26	10/17/2014 17:10	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	86.4	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 17:10	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 17:10	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 17:10	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 17:10	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	86.4	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 17:10	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	172	343	1	EPA 8270D	10/17/2014 07:26	10/17/2014 17:10	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	86.4	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 17:10	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 17:10	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 17:10	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 17:10	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 17:10	SR
206-44-0	Fluoranthene	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 17:10	SR
86-73-7	Fluorene	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 17:10	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 17:10	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 17:10	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	86.4	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 17:10	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 17:10	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 17:10	SR
78-59-1	Isophorone	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 17:10	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 17:10	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	86.4	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 17:10	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	86.4	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 17:10	SR
91-20-3	Naphthalene	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 17:10	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	86.4	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 17:10	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 17:10	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	86.4	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 17:10	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 17:10	SR



Sample Information

Client Sample ID: SB-4 10-12' 20141014

York Sample ID: 14J0592-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14J0592

560944

Soil

October 14, 2014 12:15 pm

10/14/2014

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
88-75-5	2-Nitrophenol	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 17:10	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	86.4	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 17:10	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 17:10	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	86.4	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 17:10	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 17:10	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	86.4	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 17:10	SR
85-01-8	Phenanthrene	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 17:10	SR
108-95-2	Phenol	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 17:10	SR
129-00-0	Pyrene	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 17:10	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	86.4	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 17:10	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 17:10	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 17:10	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 17:10	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	43.2	171	1	EPA 8270D	10/17/2014 07:26	10/17/2014 17:10	SR
	Surrogate Recoveries	Result			Acceptance Range						
367-12-4	Surrogate: 2-Fluorophenol	37.4 %			10-105						
4165-62-2	Surrogate: Phenol-d5	38.8 %			10-118						
4165-60-0	Surrogate: Nitrobenzene-d5	35.3 %			10-140						
321-60-8	Surrogate: 2-Fluorobiphenyl	47.0 %			10-126						
118-79-6	Surrogate: 2,4,6-Tribromophenol	43.4 %			10-150						
1718-51-0	Surrogate: Terphenyl-d14	49.8 %			10-137						

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	1.70	1.70	5	EPA 8081B	10/17/2014 13:35	10/20/2014 16:05	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.70	1.70	5	EPA 8081B	10/17/2014 13:35	10/20/2014 16:05	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.70	1.70	5	EPA 8081B	10/17/2014 13:35	10/20/2014 16:05	JW
309-00-2	Aldrin	ND		ug/kg dry	1.70	1.70	5	EPA 8081B	10/17/2014 13:35	10/20/2014 16:05	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.70	1.70	5	EPA 8081B	10/17/2014 13:35	10/20/2014 16:05	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.70	1.70	5	EPA 8081B	10/17/2014 13:35	10/20/2014 16:05	JW
57-74-9	Chlordane, total	ND		ug/kg dry	67.9	67.9	5	EPA 8081B	10/17/2014 13:35	10/20/2014 16:05	JW
5103-74-2	gamma-Chlordane	ND		ug/kg dry	1.70	1.70	5	EPA 8081B	10/17/2014 13:35	10/20/2014 16:05	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.70	1.70	5	EPA 8081B	10/17/2014 13:35	10/20/2014 16:05	JW
60-57-1	Dieldrin	ND		ug/kg dry	1.70	1.70	5	EPA 8081B	10/17/2014 13:35	10/20/2014 16:05	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.70	1.70	5	EPA 8081B	10/17/2014 13:35	10/20/2014 16:05	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	1.70	1.70	5	EPA 8081B	10/17/2014 13:35	10/20/2014 16:05	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.70	1.70	5	EPA 8081B	10/17/2014 13:35	10/20/2014 16:05	JW



Sample Information

Client Sample ID: SB-4 10-12' 20141014

York Sample ID: 14J0592-04

<u>York Project (SDG) No.</u> 14J0592	<u>Client Project ID</u> 560944	<u>Matrix</u> Soil	<u>Collection Date/Time</u> October 14, 2014 12:15 pm	<u>Date Received</u> 10/14/2014
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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
72-20-8	Endrin	ND		ug/kg dry	1.70	1.70	5	EPA 8081B	10/17/2014 13:35	10/20/2014 16:05	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.70	1.70	5	EPA 8081B	10/17/2014 13:35	10/20/2014 16:05	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.70	1.70	5	EPA 8081B	10/17/2014 13:35	10/20/2014 16:05	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.70	1.70	5	EPA 8081B	10/17/2014 13:35	10/20/2014 16:05	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.70	1.70	5	EPA 8081B	10/17/2014 13:35	10/20/2014 16:05	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.70	1.70	5	EPA 8081B	10/17/2014 13:35	10/20/2014 16:05	JW
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.70	1.70	5	EPA 8081B	10/17/2014 13:35	10/20/2014 16:05	JW
72-43-5	Methoxychlor	ND		ug/kg dry	8.49	8.49	5	EPA 8081B	10/17/2014 13:35	10/20/2014 16:05	JW
8001-35-2	Toxaphene	ND		ug/kg dry	85.9	85.9	5	EPA 8081B	10/17/2014 13:35	10/20/2014 16:05	JW
	Surrogate Recoveries	Result			Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	66.1 %			30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	64.5 %			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	0.0171	0.0171	1	EPA 8082A	10/17/2014 13:35	10/20/2014 13:39	JW
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0171	0.0171	1	EPA 8082A	10/17/2014 13:35	10/20/2014 13:39	JW
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0171	0.0171	1	EPA 8082A	10/17/2014 13:35	10/20/2014 13:39	JW
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0171	0.0171	1	EPA 8082A	10/17/2014 13:35	10/20/2014 13:39	JW
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0171	0.0171	1	EPA 8082A	10/17/2014 13:35	10/20/2014 13:39	JW
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0171	0.0171	1	EPA 8082A	10/17/2014 13:35	10/20/2014 13:39	JW
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0171	0.0171	1	EPA 8082A	10/17/2014 13:35	10/20/2014 13:39	JW
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0171	0.0171	1	EPA 8082A	10/17/2014 13:35	10/20/2014 13:39	JW
	Surrogate Recoveries	Result			Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	52.0 %			30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	48.0 %			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	5440		mg/kg dry	1.03	1.03	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:44	MW
7440-36-0	Antimony	ND		mg/kg dry	0.514	0.514	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:44	MW
7440-38-2	Arsenic	ND		mg/kg dry	1.03	1.03	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:44	MW
7440-39-3	Barium	26.8		mg/kg dry	1.03	1.03	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:44	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.103	0.103	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:44	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.309	0.309	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:44	MW



Sample Information

Client Sample ID: SB-4 10-12' 20141014

York Sample ID: 14J0592-04

<u>York Project (SDG) No.</u> 14J0592	<u>Client Project ID</u> 560944	<u>Matrix</u> Soil	<u>Collection Date/Time</u> October 14, 2014 12:15 pm	<u>Date Received</u> 10/14/2014
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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	170000		mg/kg dry	5.14	51.4	10	EPA 6010C	10/17/2014 14:46	10/17/2014 19:44	MW
7440-47-3	Chromium	6.25		mg/kg dry	0.514	0.514	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:44	MW
7440-48-4	Cobalt	3.15		mg/kg dry	0.514	0.514	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:44	MW
7440-50-8	Copper	ND		mg/kg dry	0.514	0.514	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:44	MW
7439-89-6	Iron	8900		mg/kg dry	2.06	2.06	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:44	MW
7439-92-1	Lead	2.95		mg/kg dry	0.309	0.309	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:44	MW
7439-95-4	Magnesium	111000		mg/kg dry	51.4	51.4	10	EPA 6010C	10/17/2014 14:46	10/17/2014 19:44	MW
7439-96-5	Manganese	613		mg/kg dry	0.514	0.514	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:44	MW
7440-02-0	Nickel	8.07		mg/kg dry	0.514	0.514	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:44	MW
7440-09-7	Potassium	706		mg/kg dry	5.14	5.14	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:44	MW
7782-49-2	Selenium	ND		mg/kg dry	1.03	1.03	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:44	MW
7440-22-4	Silver	ND		mg/kg dry	0.514	0.514	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:44	MW
7440-23-5	Sodium	365		mg/kg dry	10.3	10.3	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:44	MW
7440-28-0	Thallium	ND		mg/kg dry	1.03	1.03	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:44	MW
7440-62-2	Vanadium	10.2		mg/kg dry	1.03	1.03	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:44	MW
7440-66-6	Zinc	29.0		mg/kg dry	1.03	1.03	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:44	MW

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	0.0309	0.0309	1	EPA 7473	10/20/2014 06:51	10/20/2014 08:08	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	97.2		%	0.100	0.100	1	SM 2540G	10/17/2014 12:19	10/17/2014 15:48	KK

Sample Information

Client Sample ID: SB-6 0-2' 20141014

York Sample ID: 14J0592-05

<u>York Project (SDG) No.</u> 14J0592	<u>Client Project ID</u> 560944	<u>Matrix</u> Soil	<u>Collection Date/Time</u> October 14, 2014 1:50 pm	<u>Date Received</u> 10/14/2014
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Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: SB-6 0-2' 20141014

York Sample ID: 14J0592-05

<u>York Project (SDG) No.</u> 14J0592	<u>Client Project ID</u> 560944	<u>Matrix</u> Soil	<u>Collection Date/Time</u> October 14, 2014 1:50 pm	<u>Date Received</u> 10/14/2014
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Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 18:29	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 18:29	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 18:29	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 18:29	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 18:29	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 18:29	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 18:29	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 18:29	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 18:29	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 18:29	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 18:29	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 18:29	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 18:29	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 18:29	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 18:29	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 18:29	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 18:29	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	54	110	1	EPA 8260C	10/17/2014 08:36	10/17/2014 18:29	SS
78-93-3	2-Butanone	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 18:29	SS
591-78-6	2-Hexanone	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 18:29	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 18:29	SS
67-64-1	Acetone	17	CCV-E	ug/kg dry	5.4	11	1	EPA 8260C	10/17/2014 08:36	10/17/2014 18:29	SS
107-02-8	Acrolein	ND		ug/kg dry	5.4	11	1	EPA 8260C	10/17/2014 08:36	10/17/2014 18:29	SS
107-13-1	Acrylonitrile	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 18:29	SS
71-43-2	Benzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 18:29	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 18:29	SS
75-25-2	Bromoform	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 18:29	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 18:29	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 18:29	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 18:29	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 18:29	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 18:29	SS
67-66-3	Chloroform	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 18:29	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 18:29	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 18:29	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 18:29	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 18:29	SS
74-95-3	Dibromomethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 18:29	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 18:29	SS



Sample Information

Client Sample ID: SB-6 0-2' 20141014

York Sample ID: 14J0592-05

<u>York Project (SDG) No.</u> 14J0592	<u>Client Project ID</u> 560944	<u>Matrix</u> Soil	<u>Collection Date/Time</u> October 14, 2014 1:50 pm	<u>Date Received</u> 10/14/2014
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Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 18:29	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 18:29	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 18:29	SS
79-20-9	Methyl acetate	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 18:29	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 18:29	SS
75-09-2	Methylene chloride	ND		ug/kg dry	5.4	11	1	EPA 8260C	10/17/2014 08:36	10/17/2014 18:29	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 18:29	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 18:29	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 18:29	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.4	11	1	EPA 8260C	10/17/2014 08:36	10/17/2014 18:29	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 18:29	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 18:29	SS
100-42-5	Styrene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 18:29	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 18:29	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 18:29	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 18:29	SS
108-88-3	Toluene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 18:29	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 18:29	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 18:29	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 18:29	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 18:29	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/17/2014 08:36	10/17/2014 18:29	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	8.2	16	1	EPA 8260C	10/17/2014 08:36	10/17/2014 18:29	SS
	Surrogate Recoveries	Result		Acceptance Range							
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	114 %		77-125							
460-00-4	Surrogate: p-Bromofluorobenzene	123 %		76-130							
2037-26-5	Surrogate: Toluene-d8	115 %		85-120							



Sample Information

Client Sample ID: SB-6 0-2' 20141014

York Sample ID: 14J0592-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14J0592

560944

Soil

October 14, 2014 1:50 pm

10/14/2014

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	921	3650	20	EPA 8270D	10/17/2014 07:26	10/21/2014 14:36	SR
208-96-8	Acenaphthylene	1290	J	ug/kg dry	921	3650	20	EPA 8270D	10/17/2014 07:26	10/21/2014 14:36	SR
98-86-2	Acetophenone	ND		ug/kg dry	921	3650	20	EPA 8270D	10/17/2014 07:26	10/21/2014 14:36	SR
62-53-3	Aniline	ND		ug/kg dry	921	3650	20	EPA 8270D	10/17/2014 07:26	10/21/2014 14:36	SR
120-12-7	Anthracene	1280	J	ug/kg dry	921	3650	20	EPA 8270D	10/17/2014 07:26	10/21/2014 14:36	SR
1912-24-9	Atrazine	ND		ug/kg dry	921	3650	20	EPA 8270D	10/17/2014 07:26	10/21/2014 14:36	SR
100-52-7	Benzaldehyde	ND		ug/kg dry	921	3650	20	EPA 8270D	10/17/2014 07:26	10/21/2014 14:36	SR
92-87-5	Benzidine	ND		ug/kg dry	3660	7300	20	EPA 8270D	10/17/2014 07:26	10/21/2014 14:36	SR
56-55-3	Benzo(a)anthracene	4300		ug/kg dry	921	3650	20	EPA 8270D	10/17/2014 07:26	10/21/2014 14:36	SR
50-32-8	Benzo(a)pyrene	1910	J	ug/kg dry	921	3650	20	EPA 8270D	10/17/2014 07:26	10/21/2014 14:36	SR
205-99-2	Benzo(b)fluoranthene	2020	J	ug/kg dry	921	3650	20	EPA 8270D	10/17/2014 07:26	10/21/2014 14:36	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	1840	3650	20	EPA 8270D	10/17/2014 07:26	10/21/2014 14:36	SR
65-85-0	Benzoic acid	ND		ug/kg dry	2500	7310	20	EPA 8270D	10/17/2014 07:26	10/21/2014 14:36	SR
207-08-9	Benzo(k)fluoranthene	2500	J	ug/kg dry	921	3650	20	EPA 8270D	10/17/2014 07:26	10/21/2014 14:36	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	1840	3650	20	EPA 8270D	10/17/2014 07:26	10/21/2014 14:36	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	921	3650	20	EPA 8270D	10/17/2014 07:26	10/21/2014 14:36	SR
92-52-4	1,1'-Biphenyl	ND		ug/kg dry	921	3650	20	EPA 8270D	10/17/2014 07:26	10/21/2014 14:36	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	921	3650	20	EPA 8270D	10/17/2014 07:26	10/21/2014 14:36	SR
105-60-2	Caprolactam	ND		ug/kg dry	921	3650	20	EPA 8270D	10/17/2014 07:26	10/21/2014 14:36	SR
86-74-8	Carbazole	ND		ug/kg dry	921	3650	20	EPA 8270D	10/17/2014 07:26	10/21/2014 14:36	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	1840	3650	20	EPA 8270D	10/17/2014 07:26	10/21/2014 14:36	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	1840	3650	20	EPA 8270D	10/17/2014 07:26	10/21/2014 14:36	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	921	3650	20	EPA 8270D	10/17/2014 07:26	10/21/2014 14:36	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	921	3650	20	EPA 8270D	10/17/2014 07:26	10/21/2014 14:36	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	921	3650	20	EPA 8270D	10/17/2014 07:26	10/21/2014 14:36	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	921	3650	20	EPA 8270D	10/17/2014 07:26	10/21/2014 14:36	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	921	3650	20	EPA 8270D	10/17/2014 07:26	10/21/2014 14:36	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	921	3650	20	EPA 8270D	10/17/2014 07:26	10/21/2014 14:36	SR
218-01-9	Chrysene	7040		ug/kg dry	921	3650	20	EPA 8270D	10/17/2014 07:26	10/21/2014 14:36	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	921	3650	20	EPA 8270D	10/17/2014 07:26	10/21/2014 14:36	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	921	3650	20	EPA 8270D	10/17/2014 07:26	10/21/2014 14:36	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	921	3650	20	EPA 8270D	10/17/2014 07:26	10/21/2014 14:36	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	921	3650	20	EPA 8270D	10/17/2014 07:26	10/21/2014 14:36	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	921	3650	20	EPA 8270D	10/17/2014 07:26	10/21/2014 14:36	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	921	3650	20	EPA 8270D	10/17/2014 07:26	10/21/2014 14:36	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	3660	7300	20	EPA 8270D	10/17/2014 07:26	10/21/2014 14:36	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	1840	3650	20	EPA 8270D	10/17/2014 07:26	10/21/2014 14:36	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	921	3650	20	EPA 8270D	10/17/2014 07:26	10/21/2014 14:36	SR



Sample Information

Client Sample ID: SB-6 0-2' 20141014

York Sample ID: 14J0592-05

<u>York Project (SDG) No.</u> 14J0592	<u>Client Project ID</u> 560944	<u>Matrix</u> Soil	<u>Collection Date/Time</u> October 14, 2014 1:50 pm	<u>Date Received</u> 10/14/2014
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Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	921	3650	20	EPA 8270D	10/17/2014 07:26	10/21/2014 14:36	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	921	3650	20	EPA 8270D	10/17/2014 07:26	10/21/2014 14:36	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	1840	3650	20	EPA 8270D	10/17/2014 07:26	10/21/2014 14:36	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	3660	7310	20	EPA 8270D	10/17/2014 07:26	10/21/2014 14:36	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	1840	3650	20	EPA 8270D	10/17/2014 07:26	10/21/2014 14:36	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	921	3650	20	EPA 8270D	10/17/2014 07:26	10/21/2014 14:36	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	921	3650	20	EPA 8270D	10/17/2014 07:26	10/21/2014 14:36	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	921	3650	20	EPA 8270D	10/17/2014 07:26	10/21/2014 14:36	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	921	3650	20	EPA 8270D	10/17/2014 07:26	10/21/2014 14:36	SR
206-44-0	Fluoranthene	12600		ug/kg dry	921	3650	20	EPA 8270D	10/17/2014 07:26	10/21/2014 14:36	SR
86-73-7	Fluorene	ND		ug/kg dry	921	3650	20	EPA 8270D	10/17/2014 07:26	10/21/2014 14:36	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	921	3650	20	EPA 8270D	10/17/2014 07:26	10/21/2014 14:36	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	921	3650	20	EPA 8270D	10/17/2014 07:26	10/21/2014 14:36	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	1840	3650	20	EPA 8270D	10/17/2014 07:26	10/21/2014 14:36	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	921	3650	20	EPA 8270D	10/17/2014 07:26	10/21/2014 14:36	SR
193-39-5	Indeno(1,2,3-cd)pyrene	1420	J	ug/kg dry	921	3650	20	EPA 8270D	10/17/2014 07:26	10/21/2014 14:36	SR
78-59-1	Isophorone	ND		ug/kg dry	921	3650	20	EPA 8270D	10/17/2014 07:26	10/21/2014 14:36	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	921	3650	20	EPA 8270D	10/17/2014 07:26	10/21/2014 14:36	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	1840	3650	20	EPA 8270D	10/17/2014 07:26	10/21/2014 14:36	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	1840	3650	20	EPA 8270D	10/17/2014 07:26	10/21/2014 14:36	SR
91-20-3	Naphthalene	ND		ug/kg dry	921	3650	20	EPA 8270D	10/17/2014 07:26	10/21/2014 14:36	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	1840	3650	20	EPA 8270D	10/17/2014 07:26	10/21/2014 14:36	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	921	3650	20	EPA 8270D	10/17/2014 07:26	10/21/2014 14:36	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	1840	3650	20	EPA 8270D	10/17/2014 07:26	10/21/2014 14:36	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	921	3650	20	EPA 8270D	10/17/2014 07:26	10/21/2014 14:36	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	921	3650	20	EPA 8270D	10/17/2014 07:26	10/21/2014 14:36	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	1840	3650	20	EPA 8270D	10/17/2014 07:26	10/21/2014 14:36	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	921	3650	20	EPA 8270D	10/17/2014 07:26	10/21/2014 14:36	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	1840	3650	20	EPA 8270D	10/17/2014 07:26	10/21/2014 14:36	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	921	3650	20	EPA 8270D	10/17/2014 07:26	10/21/2014 14:36	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	1840	3650	20	EPA 8270D	10/17/2014 07:26	10/21/2014 14:36	SR
85-01-8	Phenanthrene	6370		ug/kg dry	921	3650	20	EPA 8270D	10/17/2014 07:26	10/21/2014 14:36	SR
108-95-2	Phenol	ND		ug/kg dry	921	3650	20	EPA 8270D	10/17/2014 07:26	10/21/2014 14:36	SR
129-00-0	Pyrene	10800		ug/kg dry	921	3650	20	EPA 8270D	10/17/2014 07:26	10/21/2014 14:36	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	1840	3650	20	EPA 8270D	10/17/2014 07:26	10/21/2014 14:36	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	921	3650	20	EPA 8270D	10/17/2014 07:26	10/21/2014 14:36	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	921	3650	20	EPA 8270D	10/17/2014 07:26	10/21/2014 14:36	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	921	3650	20	EPA 8270D	10/17/2014 07:26	10/21/2014 14:36	SR



Sample Information

Client Sample ID: SB-6 0-2' 20141014

York Sample ID: 14J0592-05

<u>York Project (SDG) No.</u> 14J0592	<u>Client Project ID</u> 560944	<u>Matrix</u> Soil	<u>Collection Date/Time</u> October 14, 2014 1:50 pm	<u>Date Received</u> 10/14/2014
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Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	921	3650	20	EPA 8270D	10/17/2014 07:26	10/21/2014 14:36	SR
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: 2-Fluorophenol	79.2 %			10-105						
4165-62-2	Surrogate: Phenol-d5	89.7 %			10-118						
4165-60-0	Surrogate: Nitrobenzene-d5	82.2 %			10-140						
321-60-8	Surrogate: 2-Fluorobiphenyl	114 %			10-126						
118-79-6	Surrogate: 2,4,6-Tribromophenol	74.8 %			10-150						
1718-51-0	Surrogate: Terphenyl-d14	103 %			10-137						

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	1.81	1.81	5	EPA 8081B	10/17/2014 13:35	10/20/2014 16:21	JW
72-55-9	4,4'-DDE	4.55		ug/kg dry	1.81	1.81	5	EPA 8081B	10/17/2014 13:35	10/20/2014 16:21	JW
50-29-3	4,4'-DDT	21.3		ug/kg dry	1.81	1.81	5	EPA 8081B	10/17/2014 13:35	10/20/2014 16:21	JW
309-00-2	Aldrin	ND		ug/kg dry	1.81	1.81	5	EPA 8081B	10/17/2014 13:35	10/20/2014 16:21	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.81	1.81	5	EPA 8081B	10/17/2014 13:35	10/20/2014 16:21	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.81	1.81	5	EPA 8081B	10/17/2014 13:35	10/20/2014 16:21	JW
57-74-9	Chlordane, total	74.0		ug/kg dry	72.3	72.3	5	EPA 8081B	10/17/2014 13:35	10/20/2014 16:21	JW
5103-74-2	gamma-Chlordane	7.95		ug/kg dry	1.81	1.81	5	EPA 8081B	10/17/2014 13:35	10/20/2014 16:21	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.81	1.81	5	EPA 8081B	10/17/2014 13:35	10/20/2014 16:21	JW
60-57-1	Dieldrin	7.92		ug/kg dry	1.81	1.81	5	EPA 8081B	10/17/2014 13:35	10/20/2014 16:21	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.81	1.81	5	EPA 8081B	10/17/2014 13:35	10/20/2014 16:21	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	1.81	1.81	5	EPA 8081B	10/17/2014 13:35	10/20/2014 16:21	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.81	1.81	5	EPA 8081B	10/17/2014 13:35	10/20/2014 16:21	JW
72-20-8	Endrin	ND		ug/kg dry	1.81	1.81	5	EPA 8081B	10/17/2014 13:35	10/20/2014 16:21	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.81	1.81	5	EPA 8081B	10/17/2014 13:35	10/20/2014 16:21	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.81	1.81	5	EPA 8081B	10/17/2014 13:35	10/20/2014 16:21	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.81	1.81	5	EPA 8081B	10/17/2014 13:35	10/20/2014 16:21	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.81	1.81	5	EPA 8081B	10/17/2014 13:35	10/20/2014 16:21	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.81	1.81	5	EPA 8081B	10/17/2014 13:35	10/20/2014 16:21	JW
5103-71-9	alpha-Chlordane	7.47		ug/kg dry	1.81	1.81	5	EPA 8081B	10/17/2014 13:35	10/20/2014 16:21	JW
72-43-5	Methoxychlor	ND		ug/kg dry	9.04	9.04	5	EPA 8081B	10/17/2014 13:35	10/20/2014 16:21	JW
8001-35-2	Toxaphene	ND		ug/kg dry	91.5	91.5	5	EPA 8081B	10/17/2014 13:35	10/20/2014 16:21	JW
Surrogate Recoveries		Result			Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	66.2 %			30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	67.2 %			30-140						



Sample Information

Client Sample ID: SB-6 0-2' 20141014

York Sample ID: 14J0592-05

<u>York Project (SDG) No.</u> 14J0592	<u>Client Project ID</u> 560944	<u>Matrix</u> Soil	<u>Collection Date/Time</u> October 14, 2014 1:50 pm	<u>Date Received</u> 10/14/2014
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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
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0183	0.0183	1	EPA 8082A	10/17/2014 13:35	10/20/2014 14:56	JW
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0183	0.0183	1	EPA 8082A	10/17/2014 13:35	10/20/2014 14:56	JW
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0183	0.0183	1	EPA 8082A	10/17/2014 13:35	10/20/2014 14:56	JW
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0183	0.0183	1	EPA 8082A	10/17/2014 13:35	10/20/2014 14:56	JW
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0183	0.0183	1	EPA 8082A	10/17/2014 13:35	10/20/2014 14:56	JW
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0183	0.0183	1	EPA 8082A	10/17/2014 13:35	10/20/2014 14:56	JW
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0183	0.0183	1	EPA 8082A	10/17/2014 13:35	10/20/2014 14:56	JW
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0183	0.0183	1	EPA 8082A	10/17/2014 13:35	10/20/2014 14:56	JW
Surrogate Recoveries		Result			Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	56.5 %			30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	67.0 %			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	6250		mg/kg dry	1.10	1.10	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:52	MW
7440-36-0	Antimony	ND		mg/kg dry	0.548	0.548	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:52	MW
7440-38-2	Arsenic	4.67		mg/kg dry	1.10	1.10	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:52	MW
7440-39-3	Barium	681		mg/kg dry	1.10	1.10	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:52	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.110	0.110	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:52	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.329	0.329	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:52	MW
7440-70-2	Calcium	66900		mg/kg dry	0.548	5.48	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:52	MW
7440-47-3	Chromium	11.8		mg/kg dry	0.548	0.548	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:52	MW
7440-48-4	Cobalt	5.72		mg/kg dry	0.548	0.548	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:52	MW
7440-50-8	Copper	27.3		mg/kg dry	0.548	0.548	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:52	MW
7439-89-6	Iron	11300		mg/kg dry	2.19	2.19	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:52	MW
7439-92-1	Lead	184		mg/kg dry	0.329	0.329	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:52	MW
7439-95-4	Magnesium	9170		mg/kg dry	5.48	5.48	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:52	MW
7439-96-5	Manganese	269		mg/kg dry	0.548	0.548	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:52	MW
7440-02-0	Nickel	13.9		mg/kg dry	0.548	0.548	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:52	MW
7440-09-7	Potassium	1150		mg/kg dry	5.48	5.48	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:52	MW
7782-49-2	Selenium	ND		mg/kg dry	1.10	1.10	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:52	MW
7440-22-4	Silver	ND		mg/kg dry	0.548	0.548	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:52	MW
7440-23-5	Sodium	794		mg/kg dry	11.0	11.0	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:52	MW
7440-28-0	Thallium	ND		mg/kg dry	1.10	1.10	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:52	MW
7440-62-2	Vanadium	25.0		mg/kg dry	1.10	1.10	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:52	MW
7440-66-6	Zinc	403		mg/kg dry	1.10	1.10	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:52	MW



Sample Information

Client Sample ID: SB-6 0-2' 20141014

York Sample ID: 14J0592-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14J0592

560944

Soil

October 14, 2014 1:50 pm

10/14/2014

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	0.135		mg/kg dry	0.0329	0.0329	1	EPA 7473	10/20/2014 06:51	10/20/2014 09:17	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	91.2		%	0.100	0.100	1	SM 2540G	10/17/2014 12:19	10/17/2014 15:48	KK

Sample Information

Client Sample ID: SB-6 14-16' 20141014

York Sample ID: 14J0592-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14J0592

560944

Soil

October 14, 2014 1:55 pm

10/14/2014

Volatile Organics, 8260 - Comprehensive

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	2.9	5.7	1	EPA 8260C	10/17/2014 08:36	10/17/2014 19:03	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	10/17/2014 08:36	10/17/2014 19:03	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	10/17/2014 08:36	10/17/2014 19:03	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	10/17/2014 08:36	10/17/2014 19:03	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	10/17/2014 08:36	10/17/2014 19:03	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	10/17/2014 08:36	10/17/2014 19:03	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	10/17/2014 08:36	10/17/2014 19:03	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	10/17/2014 08:36	10/17/2014 19:03	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	10/17/2014 08:36	10/17/2014 19:03	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	10/17/2014 08:36	10/17/2014 19:03	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	10/17/2014 08:36	10/17/2014 19:03	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	10/17/2014 08:36	10/17/2014 19:03	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	10/17/2014 08:36	10/17/2014 19:03	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	10/17/2014 08:36	10/17/2014 19:03	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	10/17/2014 08:36	10/17/2014 19:03	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	10/17/2014 08:36	10/17/2014 19:03	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	10/17/2014 08:36	10/17/2014 19:03	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	57	110	1	EPA 8260C	10/17/2014 08:36	10/17/2014 19:03	SS



Sample Information

Client Sample ID: SB-6 14-16' 20141014

York Sample ID: 14J0592-06

<u>York Project (SDG) No.</u> 14J0592	<u>Client Project ID</u> 560944	<u>Matrix</u> Soil	<u>Collection Date/Time</u> October 14, 2014 1:55 pm	<u>Date Received</u> 10/14/2014
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Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-93-3	2-Butanone	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	10/17/2014 08:36	10/17/2014 19:03	SS
591-78-6	2-Hexanone	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	10/17/2014 08:36	10/17/2014 19:03	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	10/17/2014 08:36	10/17/2014 19:03	SS
67-64-1	Acetone	31	CCV-E	ug/kg dry	5.7	11	1	EPA 8260C	10/17/2014 08:36	10/17/2014 19:03	SS
107-02-8	Acrolein	ND		ug/kg dry	5.7	11	1	EPA 8260C	10/17/2014 08:36	10/17/2014 19:03	SS
107-13-1	Acrylonitrile	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	10/17/2014 08:36	10/17/2014 19:03	SS
71-43-2	Benzene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	10/17/2014 08:36	10/17/2014 19:03	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	10/17/2014 08:36	10/17/2014 19:03	SS
75-25-2	Bromoform	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	10/17/2014 08:36	10/17/2014 19:03	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	10/17/2014 08:36	10/17/2014 19:03	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	10/17/2014 08:36	10/17/2014 19:03	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	10/17/2014 08:36	10/17/2014 19:03	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	10/17/2014 08:36	10/17/2014 19:03	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	10/17/2014 08:36	10/17/2014 19:03	SS
67-66-3	Chloroform	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	10/17/2014 08:36	10/17/2014 19:03	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	10/17/2014 08:36	10/17/2014 19:03	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	10/17/2014 08:36	10/17/2014 19:03	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	10/17/2014 08:36	10/17/2014 19:03	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	10/17/2014 08:36	10/17/2014 19:03	SS
74-95-3	Dibromomethane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	10/17/2014 08:36	10/17/2014 19:03	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	10/17/2014 08:36	10/17/2014 19:03	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	10/17/2014 08:36	10/17/2014 19:03	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	10/17/2014 08:36	10/17/2014 19:03	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	10/17/2014 08:36	10/17/2014 19:03	SS
79-20-9	Methyl acetate	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	10/17/2014 08:36	10/17/2014 19:03	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	10/17/2014 08:36	10/17/2014 19:03	SS
75-09-2	Methylene chloride	ND		ug/kg dry	5.7	11	1	EPA 8260C	10/17/2014 08:36	10/17/2014 19:03	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	10/17/2014 08:36	10/17/2014 19:03	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	10/17/2014 08:36	10/17/2014 19:03	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	10/17/2014 08:36	10/17/2014 19:03	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.7	11	1	EPA 8260C	10/17/2014 08:36	10/17/2014 19:03	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	10/17/2014 08:36	10/17/2014 19:03	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	10/17/2014 08:36	10/17/2014 19:03	SS
100-42-5	Styrene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	10/17/2014 08:36	10/17/2014 19:03	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	10/17/2014 08:36	10/17/2014 19:03	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	10/17/2014 08:36	10/17/2014 19:03	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	10/17/2014 08:36	10/17/2014 19:03	SS
108-88-3	Toluene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	10/17/2014 08:36	10/17/2014 19:03	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	10/17/2014 08:36	10/17/2014 19:03	SS



Sample Information

Client Sample ID: SB-6 14-16' 20141014

York Sample ID: 14J0592-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14J0592

560944

Soil

October 14, 2014 1:55 pm

10/14/2014

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	10/17/2014 08:36	10/17/2014 19:03	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	10/17/2014 08:36	10/17/2014 19:03	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	10/17/2014 08:36	10/17/2014 19:03	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	10/17/2014 08:36	10/17/2014 19:03	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	8.6	17	1	EPA 8260C	10/17/2014 08:36	10/17/2014 19:03	SS
	Surrogate Recoveries	Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	115 %			77-125						
460-00-4	Surrogate: p-Bromofluorobenzene	97.4 %			76-130						
2037-26-5	Surrogate: Toluene-d8	104 %			85-120						

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	89.1	354	2	EPA 8270D	10/20/2014 10:14	10/20/2014 20:23	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	89.1	354	2	EPA 8270D	10/20/2014 10:14	10/20/2014 20:23	SR
98-86-2	Acetophenone	ND		ug/kg dry	89.1	354	2	EPA 8270D	10/20/2014 10:14	10/20/2014 20:23	SR
62-53-3	Aniline	ND		ug/kg dry	89.1	354	2	EPA 8270D	10/20/2014 10:14	10/20/2014 20:23	SR
120-12-7	Anthracene	ND		ug/kg dry	89.1	354	2	EPA 8270D	10/20/2014 10:14	10/20/2014 20:23	SR
1912-24-9	Atrazine	ND		ug/kg dry	89.1	354	2	EPA 8270D	10/20/2014 10:14	10/20/2014 20:23	SR
100-52-7	Benzaldehyde	ND		ug/kg dry	89.1	354	2	EPA 8270D	10/20/2014 10:14	10/20/2014 20:23	SR
92-87-5	Benzidine	ND		ug/kg dry	354	707	2	EPA 8270D	10/20/2014 10:14	10/20/2014 20:23	SR
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	89.1	354	2	EPA 8270D	10/20/2014 10:14	10/20/2014 20:23	SR
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	89.1	354	2	EPA 8270D	10/20/2014 10:14	10/20/2014 20:23	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	89.1	354	2	EPA 8270D	10/20/2014 10:14	10/20/2014 20:23	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	178	354	2	EPA 8270D	10/20/2014 10:14	10/20/2014 20:23	SR
65-85-0	Benzoic acid	ND		ug/kg dry	242	707	2	EPA 8270D	10/20/2014 10:14	10/20/2014 20:23	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	89.1	354	2	EPA 8270D	10/20/2014 10:14	10/20/2014 20:23	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	178	354	2	EPA 8270D	10/20/2014 10:14	10/20/2014 20:23	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	89.1	354	2	EPA 8270D	10/20/2014 10:14	10/20/2014 20:23	SR
92-52-4	1,1'-Biphenyl	ND		ug/kg dry	89.1	354	2	EPA 8270D	10/20/2014 10:14	10/20/2014 20:23	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	89.1	354	2	EPA 8270D	10/20/2014 10:14	10/20/2014 20:23	SR
105-60-2	Caprolactam	ND		ug/kg dry	89.1	354	2	EPA 8270D	10/20/2014 10:14	10/20/2014 20:23	SR
86-74-8	Carbazole	ND		ug/kg dry	89.1	354	2	EPA 8270D	10/20/2014 10:14	10/20/2014 20:23	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	178	354	2	EPA 8270D	10/20/2014 10:14	10/20/2014 20:23	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	178	354	2	EPA 8270D	10/20/2014 10:14	10/20/2014 20:23	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	89.1	354	2	EPA 8270D	10/20/2014 10:14	10/20/2014 20:23	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	89.1	354	2	EPA 8270D	10/20/2014 10:14	10/20/2014 20:23	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	89.1	354	2	EPA 8270D	10/20/2014 10:14	10/20/2014 20:23	SR



Sample Information

Client Sample ID: SB-6 14-16' 20141014

York Sample ID: 14J0592-06

<u>York Project (SDG) No.</u> 14J0592	<u>Client Project ID</u> 560944	<u>Matrix</u> Soil	<u>Collection Date/Time</u> October 14, 2014 1:55 pm	<u>Date Received</u> 10/14/2014
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Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	89.1	354	2	EPA 8270D	10/20/2014 10:14	10/20/2014 20:23	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	89.1	354	2	EPA 8270D	10/20/2014 10:14	10/20/2014 20:23	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	89.1	354	2	EPA 8270D	10/20/2014 10:14	10/20/2014 20:23	SR
218-01-9	Chrysene	ND		ug/kg dry	89.1	354	2	EPA 8270D	10/20/2014 10:14	10/20/2014 20:23	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	89.1	354	2	EPA 8270D	10/20/2014 10:14	10/20/2014 20:23	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	89.1	354	2	EPA 8270D	10/20/2014 10:14	10/20/2014 20:23	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	89.1	354	2	EPA 8270D	10/20/2014 10:14	10/20/2014 20:23	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	89.1	354	2	EPA 8270D	10/20/2014 10:14	10/20/2014 20:23	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	89.1	354	2	EPA 8270D	10/20/2014 10:14	10/20/2014 20:23	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	89.1	354	2	EPA 8270D	10/20/2014 10:14	10/20/2014 20:23	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	354	707	2	EPA 8270D	10/20/2014 10:14	10/20/2014 20:23	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	178	354	2	EPA 8270D	10/20/2014 10:14	10/20/2014 20:23	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	89.1	354	2	EPA 8270D	10/20/2014 10:14	10/20/2014 20:23	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	89.1	354	2	EPA 8270D	10/20/2014 10:14	10/20/2014 20:23	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	89.1	354	2	EPA 8270D	10/20/2014 10:14	10/20/2014 20:23	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	178	354	2	EPA 8270D	10/20/2014 10:14	10/20/2014 20:23	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	354	707	2	EPA 8270D	10/20/2014 10:14	10/20/2014 20:23	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	178	354	2	EPA 8270D	10/20/2014 10:14	10/20/2014 20:23	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	89.1	354	2	EPA 8270D	10/20/2014 10:14	10/20/2014 20:23	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	89.1	354	2	EPA 8270D	10/20/2014 10:14	10/20/2014 20:23	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	89.1	354	2	EPA 8270D	10/20/2014 10:14	10/20/2014 20:23	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	89.1	354	2	EPA 8270D	10/20/2014 10:14	10/20/2014 20:23	SR
206-44-0	Fluoranthene	ND		ug/kg dry	89.1	354	2	EPA 8270D	10/20/2014 10:14	10/20/2014 20:23	SR
86-73-7	Fluorene	ND		ug/kg dry	89.1	354	2	EPA 8270D	10/20/2014 10:14	10/20/2014 20:23	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	89.1	354	2	EPA 8270D	10/20/2014 10:14	10/20/2014 20:23	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	89.1	354	2	EPA 8270D	10/20/2014 10:14	10/20/2014 20:23	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	178	354	2	EPA 8270D	10/20/2014 10:14	10/20/2014 20:23	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	89.1	354	2	EPA 8270D	10/20/2014 10:14	10/20/2014 20:23	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	89.1	354	2	EPA 8270D	10/20/2014 10:14	10/20/2014 20:23	SR
78-59-1	Isophorone	ND		ug/kg dry	89.1	354	2	EPA 8270D	10/20/2014 10:14	10/20/2014 20:23	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	89.1	354	2	EPA 8270D	10/20/2014 10:14	10/20/2014 20:23	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	178	354	2	EPA 8270D	10/20/2014 10:14	10/20/2014 20:23	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	178	354	2	EPA 8270D	10/20/2014 10:14	10/20/2014 20:23	SR
91-20-3	Naphthalene	ND		ug/kg dry	89.1	354	2	EPA 8270D	10/20/2014 10:14	10/20/2014 20:23	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	178	354	2	EPA 8270D	10/20/2014 10:14	10/20/2014 20:23	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	89.1	354	2	EPA 8270D	10/20/2014 10:14	10/20/2014 20:23	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	178	354	2	EPA 8270D	10/20/2014 10:14	10/20/2014 20:23	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	89.1	354	2	EPA 8270D	10/20/2014 10:14	10/20/2014 20:23	SR



Sample Information

Client Sample ID: SB-6 14-16' 20141014

York Sample ID: 14J0592-06

<u>York Project (SDG) No.</u> 14J0592	<u>Client Project ID</u> 560944	<u>Matrix</u> Soil	<u>Collection Date/Time</u> October 14, 2014 1:55 pm	<u>Date Received</u> 10/14/2014
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Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
88-75-5	2-Nitrophenol	ND		ug/kg dry	89.1	354	2	EPA 8270D	10/20/2014 10:14	10/20/2014 20:23	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	178	354	2	EPA 8270D	10/20/2014 10:14	10/20/2014 20:23	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	89.1	354	2	EPA 8270D	10/20/2014 10:14	10/20/2014 20:23	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	178	354	2	EPA 8270D	10/20/2014 10:14	10/20/2014 20:23	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	89.1	354	2	EPA 8270D	10/20/2014 10:14	10/20/2014 20:23	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	178	354	2	EPA 8270D	10/20/2014 10:14	10/20/2014 20:23	SR
85-01-8	Phenanthrene	ND		ug/kg dry	89.1	354	2	EPA 8270D	10/20/2014 10:14	10/20/2014 20:23	SR
108-95-2	Phenol	ND		ug/kg dry	89.1	354	2	EPA 8270D	10/20/2014 10:14	10/20/2014 20:23	SR
129-00-0	Pyrene	ND		ug/kg dry	89.1	354	2	EPA 8270D	10/20/2014 10:14	10/20/2014 20:23	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	178	354	2	EPA 8270D	10/20/2014 10:14	10/20/2014 20:23	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	89.1	354	2	EPA 8270D	10/20/2014 10:14	10/20/2014 20:23	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	89.1	354	2	EPA 8270D	10/20/2014 10:14	10/20/2014 20:23	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	89.1	354	2	EPA 8270D	10/20/2014 10:14	10/20/2014 20:23	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	89.1	354	2	EPA 8270D	10/20/2014 10:14	10/20/2014 20:23	SR
	Surrogate Recoveries	Result			Acceptance Range						
367-12-4	Surrogate: 2-Fluorophenol	29.1 %			10-105						
4165-62-2	Surrogate: Phenol-d5	46.2 %			10-118						
4165-60-0	Surrogate: Nitrobenzene-d5	40.2 %			10-140						
321-60-8	Surrogate: 2-Fluorobiphenyl	56.2 %			10-126						
118-79-6	Surrogate: 2,4,6-Tribromophenol	7.64 %	S-06		10-150						
1718-51-0	Surrogate: Terphenyl-d14	58.2 %			10-137						

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	1.75	1.75	5	EPA 8081B	10/17/2014 13:35	10/20/2014 16:37	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.75	1.75	5	EPA 8081B	10/17/2014 13:35	10/20/2014 16:37	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.75	1.75	5	EPA 8081B	10/17/2014 13:35	10/20/2014 16:37	JW
309-00-2	Aldrin	ND		ug/kg dry	1.75	1.75	5	EPA 8081B	10/17/2014 13:35	10/20/2014 16:37	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.75	1.75	5	EPA 8081B	10/17/2014 13:35	10/20/2014 16:37	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.75	1.75	5	EPA 8081B	10/17/2014 13:35	10/20/2014 16:37	JW
57-74-9	Chlordane, total	ND		ug/kg dry	70.0	70.0	5	EPA 8081B	10/17/2014 13:35	10/20/2014 16:37	JW
5103-74-2	gamma-Chlordane	ND		ug/kg dry	1.75	1.75	5	EPA 8081B	10/17/2014 13:35	10/20/2014 16:37	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.75	1.75	5	EPA 8081B	10/17/2014 13:35	10/20/2014 16:37	JW
60-57-1	Dieldrin	ND		ug/kg dry	1.75	1.75	5	EPA 8081B	10/17/2014 13:35	10/20/2014 16:37	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.75	1.75	5	EPA 8081B	10/17/2014 13:35	10/20/2014 16:37	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	1.75	1.75	5	EPA 8081B	10/17/2014 13:35	10/20/2014 16:37	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.75	1.75	5	EPA 8081B	10/17/2014 13:35	10/20/2014 16:37	JW



Sample Information

Client Sample ID: SB-6 14-16' 20141014

York Sample ID: 14J0592-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14J0592

560944

Soil

October 14, 2014 1:55 pm

10/14/2014

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
72-20-8	Endrin	ND		ug/kg dry	1.75	1.75	5	EPA 8081B	10/17/2014 13:35	10/20/2014 16:37	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.75	1.75	5	EPA 8081B	10/17/2014 13:35	10/20/2014 16:37	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.75	1.75	5	EPA 8081B	10/17/2014 13:35	10/20/2014 16:37	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.75	1.75	5	EPA 8081B	10/17/2014 13:35	10/20/2014 16:37	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.75	1.75	5	EPA 8081B	10/17/2014 13:35	10/20/2014 16:37	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.75	1.75	5	EPA 8081B	10/17/2014 13:35	10/20/2014 16:37	JW
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.75	1.75	5	EPA 8081B	10/17/2014 13:35	10/20/2014 16:37	JW
72-43-5	Methoxychlor	ND		ug/kg dry	8.75	8.75	5	EPA 8081B	10/17/2014 13:35	10/20/2014 16:37	JW
8001-35-2	Toxaphene	ND		ug/kg dry	88.6	88.6	5	EPA 8081B	10/17/2014 13:35	10/20/2014 16:37	JW
Surrogate Recoveries		Result			Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	84.4 %			30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	67.5 %			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	0.0177	0.0177	1	EPA 8082A	10/17/2014 13:35	10/20/2014 13:58	JW
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0177	0.0177	1	EPA 8082A	10/17/2014 13:35	10/20/2014 13:58	JW
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0177	0.0177	1	EPA 8082A	10/17/2014 13:35	10/20/2014 13:58	JW
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0177	0.0177	1	EPA 8082A	10/17/2014 13:35	10/20/2014 13:58	JW
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0177	0.0177	1	EPA 8082A	10/17/2014 13:35	10/20/2014 13:58	JW
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0177	0.0177	1	EPA 8082A	10/17/2014 13:35	10/20/2014 13:58	JW
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0177	0.0177	1	EPA 8082A	10/17/2014 13:35	10/20/2014 13:58	JW
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0177	0.0177	1	EPA 8082A	10/17/2014 13:35	10/20/2014 13:58	JW
Surrogate Recoveries		Result			Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	64.5 %			30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	58.0 %			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	5900		mg/kg dry	1.06	1.06	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:57	MW
7440-36-0	Antimony	ND		mg/kg dry	0.530	0.530	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:57	MW
7440-38-2	Arsenic	2.04		mg/kg dry	1.06	1.06	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:57	MW
7440-39-3	Barium	41.5		mg/kg dry	1.06	1.06	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:57	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.106	0.106	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:57	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.318	0.318	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:57	MW



Sample Information

Client Sample ID: SB-6 14-16' 20141014

York Sample ID: 14J0592-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14J0592

560944

Soil

October 14, 2014 1:55 pm

10/14/2014

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	41300		mg/kg dry	0.530	5.30	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:57	MW
7440-47-3	Chromium	8.80		mg/kg dry	0.530	0.530	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:57	MW
7440-48-4	Cobalt	3.09		mg/kg dry	0.530	0.530	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:57	MW
7440-50-8	Copper	7.51		mg/kg dry	0.530	0.530	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:57	MW
7439-89-6	Iron	7210		mg/kg dry	2.12	2.12	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:57	MW
7439-92-1	Lead	19.9		mg/kg dry	0.318	0.318	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:57	MW
7439-95-4	Magnesium	4790		mg/kg dry	5.30	5.30	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:57	MW
7439-96-5	Manganese	169		mg/kg dry	0.530	0.530	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:57	MW
7440-02-0	Nickel	9.31		mg/kg dry	0.530	0.530	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:57	MW
7440-09-7	Potassium	1050		mg/kg dry	5.30	5.30	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:57	MW
7782-49-2	Selenium	ND		mg/kg dry	1.06	1.06	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:57	MW
7440-22-4	Silver	ND		mg/kg dry	0.530	0.530	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:57	MW
7440-23-5	Sodium	341		mg/kg dry	10.6	10.6	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:57	MW
7440-28-0	Thallium	ND		mg/kg dry	1.06	1.06	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:57	MW
7440-62-2	Vanadium	9.84		mg/kg dry	1.06	1.06	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:57	MW
7440-66-6	Zinc	22.2		mg/kg dry	1.06	1.06	1	EPA 6010C	10/17/2014 14:46	10/17/2014 19:57	MW

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	0.0318	0.0318	1	EPA 7473	10/20/2014 06:51	10/20/2014 09:27	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	94.3		%	0.100	0.100	1	SM 2540G	10/17/2014 12:19	10/17/2014 15:48	KK



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
14J0592-01	SB-5 0-2' 20141014	40mL Vial with Stir Bar-Cool 4° C
14J0592-02	SB-5 15-17' 20141014	40mL Vial with Stir Bar-Cool 4° C
14J0592-03	SB-4 0-2' 20141014	40mL Vial with Stir Bar-Cool 4° C
14J0592-04	SB-4 10-12' 20141014	40mL Vial with Stir Bar-Cool 4° C
14J0592-05	SB-6 0-2' 20141014	40mL Vial with Stir Bar-Cool 4° C
14J0592-06	SB-6 14-16' 20141014	40mL Vial with Stir Bar-Cool 4° C



Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interferences.
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-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.
IS-LO	The internal std associated with this target compound did not meet acceptance criteria (area <50% CCV) at the stated dilution due to matrix effects. Sample was rerun to confirm matrix effects.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).

*	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.



Technical Report

prepared for:

PVE Sheffler
48 Springside Avenue
Poughkeepsie NY, 12603
Attention: Conor Tarbell

Report Date: 10/23/2014
Client Project ID: 560944
York Project (SDG) No.: 14J0611

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 10/23/2014
Client Project ID: 560944
York Project (SDG) No.: 14J0611

PVE Sheffler
48 Springside Avenue
Poughkeepsie NY, 12603
Attention: Conor Tarbell

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 October 16, 2014 and listed below. The project was identified as your project: **560944**.

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>
14J0611-01	SV-6 20141015	Soil Vapor	10/15/2014	10/16/2014
14J0611-02	SV-4 20141015	Soil Vapor	10/15/2014	10/16/2014
14J0611-03	SV-5 20141015	Soil Vapor	10/15/2014	10/16/2014
14J0611-04	SV-8 20141015	Soil Vapor	10/15/2014	10/16/2014
14J0611-05	SV-1 20141015	Soil Vapor	10/15/2014	10/16/2014

General Notes for York Project (SDG) No.: 14J0611

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: 10/23/2014





Sample Information

Client Sample ID: SV-6 20141015

York Sample ID: 14J0611-01

York Project (SDG) No.
14J0611

Client Project ID
560944

Matrix
Soil Vapor

Collection Date/Time
October 15, 2014 12:53 pm

Date Received
10/16/2014

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
75-01-4	Vinyl Chloride	ND		ug/m ³	1.2	1.2	18	EPA TO-15	10/22/2014 15:18	10/23/2014 09:56	ALD
108-05-4	Vinyl acetate	ND		ug/m ³	6.3	6.3	18	EPA TO-15	10/22/2014 15:18	10/23/2014 09:56	ALD
79-01-6	Trichloroethylene	5.8		ug/m ³	2.4	2.4	18	EPA TO-15	10/22/2014 15:18	10/23/2014 09:56	ALD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	8.2	8.2	18	EPA TO-15	10/22/2014 15:18	10/23/2014 09:56	ALD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	7.1	7.1	18	EPA TO-15	10/22/2014 15:18	10/23/2014 09:56	ALD
108-88-3	Toluene	54		ug/m ³	6.8	6.8	18	EPA TO-15	10/22/2014 15:18	10/23/2014 09:56	ALD
109-99-9	* Tetrahydrofuran	ND		ug/m ³	5.3	5.3	18	EPA TO-15	10/22/2014 15:18	10/23/2014 09:56	ALD
127-18-4	Tetrachloroethylene	11		ug/m ³	3.1	3.1	18	EPA TO-15	10/22/2014 15:18	10/23/2014 09:56	ALD
100-42-5	Styrene	8.4		ug/m ³	7.7	7.7	18	EPA TO-15	10/22/2014 15:18	10/23/2014 09:56	ALD
115-07-1	* Propylene	ND		ug/m ³	3.1	3.1	18	EPA TO-15	10/22/2014 15:18	10/23/2014 09:56	ALD
622-96-8	* p-Ethyltoluene	ND		ug/m ³	8.8	8.8	18	EPA TO-15	10/22/2014 15:18	10/23/2014 09:56	ALD
179601-23-1	p- & m- Xylenes	24		ug/m ³	16	16	18	EPA TO-15	10/22/2014 15:18	10/23/2014 09:56	ALD
95-47-6	o-Xylene	10		ug/m ³	7.8	7.8	18	EPA TO-15	10/22/2014 15:18	10/23/2014 09:56	ALD
110-54-3	n-Hexane	200		ug/m ³	6.3	6.3	18	EPA TO-15	10/22/2014 15:18	10/23/2014 09:56	ALD
142-82-5	n-Heptane	91		ug/m ³	7.4	7.4	18	EPA TO-15	10/22/2014 15:18	10/23/2014 09:56	ALD
75-09-2	Methylene chloride	ND		ug/m ³	13	13	18	EPA TO-15	10/22/2014 15:18	10/23/2014 09:56	ALD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	6.5	6.5	18	EPA TO-15	10/22/2014 15:18	10/23/2014 09:56	ALD
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	7.4	7.4	18	EPA TO-15	10/22/2014 15:18	10/23/2014 09:56	ALD
67-63-0	Isopropanol	14		ug/m ³	8.8	8.8	18	EPA TO-15	10/22/2014 15:18	10/23/2014 09:56	ALD
87-68-3	Hexachlorobutadiene	ND		ug/m ³	19	19	18	EPA TO-15	10/22/2014 15:18	10/23/2014 09:56	ALD
100-41-4	Ethyl Benzene	8.6		ug/m ³	7.8	7.8	18	EPA TO-15	10/22/2014 15:18	10/23/2014 09:56	ALD
141-78-6	* Ethyl acetate	ND		ug/m ³	13	13	18	EPA TO-15	10/22/2014 15:18	10/23/2014 09:56	ALD
110-82-7	Cyclohexane	25		ug/m ³	6.2	6.2	18	EPA TO-15	10/22/2014 15:18	10/23/2014 09:56	ALD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	8.2	8.2	18	EPA TO-15	10/22/2014 15:18	10/23/2014 09:56	ALD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	7.1	7.1	18	EPA TO-15	10/22/2014 15:18	10/23/2014 09:56	ALD
74-87-3	Chloromethane	ND		ug/m ³	3.7	3.7	18	EPA TO-15	10/22/2014 15:18	10/23/2014 09:56	ALD
67-66-3	Chloroform	19		ug/m ³	8.8	8.8	18	EPA TO-15	10/22/2014 15:18	10/23/2014 09:56	ALD
75-00-3	Chloroethane	ND		ug/m ³	4.7	4.7	18	EPA TO-15	10/22/2014 15:18	10/23/2014 09:56	ALD
56-23-5	Carbon tetrachloride	ND		ug/m ³	2.8	2.8	18	EPA TO-15	10/22/2014 15:18	10/23/2014 09:56	ALD
75-15-0	Carbon disulfide	100		ug/m ³	5.6	5.6	18	EPA TO-15	10/22/2014 15:18	10/23/2014 09:56	ALD
74-83-9	Bromomethane	ND		ug/m ³	7.0	7.0	18	EPA TO-15	10/22/2014 15:18	10/23/2014 09:56	ALD
75-25-2	Bromoform	ND		ug/m ³	19	19	18	EPA TO-15	10/22/2014 15:18	10/23/2014 09:56	ALD
75-27-4	Bromodichloromethane	ND		ug/m ³	11	11	18	EPA TO-15	10/22/2014 15:18	10/23/2014 09:56	ALD
100-44-7	Benzyl chloride	ND		ug/m ³	9.3	9.3	18	EPA TO-15	10/22/2014 15:18	10/23/2014 09:56	ALD
71-43-2	Benzene	14		ug/m ³	5.8	5.8	18	EPA TO-15	10/22/2014 15:18	10/23/2014 09:56	ALD
67-64-1	Acetone	190		ug/m ³	4.3	4.3	18	EPA TO-15	10/22/2014 15:18	10/23/2014 09:56	ALD
591-78-6	* 2-Hexanone	ND		ug/m ³	15	15	18	EPA TO-15	10/22/2014 15:18	10/23/2014 09:56	ALD
78-93-3	2-Butanone	16		ug/m ³	5.3	5.3	18	EPA TO-15	10/22/2014 15:18	10/23/2014 09:56	ALD



Sample Information

Client Sample ID: SV-6 20141015

York Sample ID: 14J0611-01

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 14J0611, 560944, Soil Vapor, October 15, 2014 12:53 pm, 10/16/2014

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

Main data table with 12 columns: CAS No., Parameter, Result, Flag, Units, LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Includes various chemical compounds and a Surrogate Recoveries section.

Sample Information

Client Sample ID: SV-4 20141015

York Sample ID: 14J0611-02

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 14J0611, 560944, Soil Vapor, October 15, 2014 12:29 pm, 10/16/2014

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

Main data table with 12 columns: CAS No., Parameter, Result, Flag, Units, LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Includes Vinyl Chloride and Vinyl acetate.



Sample Information

Client Sample ID: SV-4 20141015

York Sample ID: 14J0611-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14J0611

560944

Soil Vapor

October 15, 2014 12:29 pm

10/16/2014

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to		Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
					LOD/MDL	LOQ					
79-01-6	Trichloroethylene	12		ug/m ³	2.5	2.5	18.67	EPA TO-15	10/22/2014 15:18	10/23/2014 10:45	ALD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	8.5	8.5	18.67	EPA TO-15	10/22/2014 15:18	10/23/2014 10:45	ALD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	7.4	7.4	18.67	EPA TO-15	10/22/2014 15:18	10/23/2014 10:45	ALD
108-88-3	Toluene	39		ug/m ³	7.0	7.0	18.67	EPA TO-15	10/22/2014 15:18	10/23/2014 10:45	ALD
109-99-9	* Tetrahydrofuran	ND		ug/m ³	5.5	5.5	18.67	EPA TO-15	10/22/2014 15:18	10/23/2014 10:45	ALD
127-18-4	Tetrachloroethylene	6.3		ug/m ³	3.2	3.2	18.67	EPA TO-15	10/22/2014 15:18	10/23/2014 10:45	ALD
100-42-5	Styrene	ND		ug/m ³	8.0	8.0	18.67	EPA TO-15	10/22/2014 15:18	10/23/2014 10:45	ALD
115-07-1	* Propylene	ND		ug/m ³	3.2	3.2	18.67	EPA TO-15	10/22/2014 15:18	10/23/2014 10:45	ALD
622-96-8	* p-Ethyltoluene	ND		ug/m ³	9.2	9.2	18.67	EPA TO-15	10/22/2014 15:18	10/23/2014 10:45	ALD
179601-23-1	p- & m- Xylenes	24		ug/m ³	16	16	18.67	EPA TO-15	10/22/2014 15:18	10/23/2014 10:45	ALD
95-47-6	o-Xylene	8.1		ug/m ³	8.1	8.1	18.67	EPA TO-15	10/22/2014 15:18	10/23/2014 10:45	ALD
110-54-3	n-Hexane	450		ug/m ³	6.6	6.6	18.67	EPA TO-15	10/22/2014 15:18	10/23/2014 10:45	ALD
142-82-5	n-Heptane	180		ug/m ³	7.7	7.7	18.67	EPA TO-15	10/22/2014 15:18	10/23/2014 10:45	ALD
75-09-2	Methylene chloride	ND		ug/m ³	13	13	18.67	EPA TO-15	10/22/2014 15:18	10/23/2014 10:45	ALD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	6.7	6.7	18.67	EPA TO-15	10/22/2014 15:18	10/23/2014 10:45	ALD
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	7.6	7.6	18.67	EPA TO-15	10/22/2014 15:18	10/23/2014 10:45	ALD
67-63-0	Isopropanol	65		ug/m ³	9.2	9.2	18.67	EPA TO-15	10/22/2014 15:18	10/23/2014 10:45	ALD
87-68-3	Hexachlorobutadiene	ND		ug/m ³	20	20	18.67	EPA TO-15	10/22/2014 15:18	10/23/2014 10:45	ALD
100-41-4	Ethyl Benzene	ND		ug/m ³	8.1	8.1	18.67	EPA TO-15	10/22/2014 15:18	10/23/2014 10:45	ALD
141-78-6	* Ethyl acetate	ND		ug/m ³	13	13	18.67	EPA TO-15	10/22/2014 15:18	10/23/2014 10:45	ALD
110-82-7	Cyclohexane	ND		ug/m ³	6.4	6.4	18.67	EPA TO-15	10/22/2014 15:18	10/23/2014 10:45	ALD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	8.5	8.5	18.67	EPA TO-15	10/22/2014 15:18	10/23/2014 10:45	ALD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	7.4	7.4	18.67	EPA TO-15	10/22/2014 15:18	10/23/2014 10:45	ALD
74-87-3	Chloromethane	ND		ug/m ³	3.9	3.9	18.67	EPA TO-15	10/22/2014 15:18	10/23/2014 10:45	ALD
67-66-3	Chloroform	26		ug/m ³	9.1	9.1	18.67	EPA TO-15	10/22/2014 15:18	10/23/2014 10:45	ALD
75-00-3	Chloroethane	ND		ug/m ³	4.9	4.9	18.67	EPA TO-15	10/22/2014 15:18	10/23/2014 10:45	ALD
56-23-5	Carbon tetrachloride	ND		ug/m ³	2.9	2.9	18.67	EPA TO-15	10/22/2014 15:18	10/23/2014 10:45	ALD
75-15-0	Carbon disulfide	40		ug/m ³	5.8	5.8	18.67	EPA TO-15	10/22/2014 15:18	10/23/2014 10:45	ALD
74-83-9	Bromomethane	ND		ug/m ³	7.2	7.2	18.67	EPA TO-15	10/22/2014 15:18	10/23/2014 10:45	ALD
75-25-2	Bromoform	ND		ug/m ³	19	19	18.67	EPA TO-15	10/22/2014 15:18	10/23/2014 10:45	ALD
75-27-4	Bromodichloromethane	ND		ug/m ³	12	12	18.67	EPA TO-15	10/22/2014 15:18	10/23/2014 10:45	ALD
100-44-7	Benzyl chloride	ND		ug/m ³	9.7	9.7	18.67	EPA TO-15	10/22/2014 15:18	10/23/2014 10:45	ALD
71-43-2	Benzene	ND		ug/m ³	6.0	6.0	18.67	EPA TO-15	10/22/2014 15:18	10/23/2014 10:45	ALD
67-64-1	Acetone	120		ug/m ³	4.4	4.4	18.67	EPA TO-15	10/22/2014 15:18	10/23/2014 10:45	ALD
591-78-6	* 2-Hexanone	ND		ug/m ³	15	15	18.67	EPA TO-15	10/22/2014 15:18	10/23/2014 10:45	ALD
78-93-3	2-Butanone	14		ug/m ³	5.5	5.5	18.67	EPA TO-15	10/22/2014 15:18	10/23/2014 10:45	ALD
123-91-1	1,4-Dioxane	ND		ug/m ³	6.7	6.7	18.67	EPA TO-15	10/22/2014 15:18	10/23/2014 10:45	ALD
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	11	11	18.67	EPA TO-15	10/22/2014 15:18	10/23/2014 10:45	ALD
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	11	11	18.67	EPA TO-15	10/22/2014 15:18	10/23/2014 10:45	ALD



Sample Information

Client Sample ID: SV-4 20141015

York Sample ID: 14J0611-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14J0611

560944

Soil Vapor

October 15, 2014 12:29 pm

10/16/2014

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
106-99-0	1,3-Butadiene	70		ug/m ³	8.1	8.1	18.67	EPA TO-15	10/22/2014 15:18	10/23/2014 10:45	ALD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	9.2	9.2	18.67	EPA TO-15	10/22/2014 15:18	10/23/2014 10:45	ALD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	13	13	18.67	EPA TO-15	10/22/2014 15:18	10/23/2014 10:45	ALD
78-87-5	1,2-Dichloropropane	ND		ug/m ³	8.6	8.6	18.67	EPA TO-15	10/22/2014 15:18	10/23/2014 10:45	ALD
107-06-2	1,2-Dichloroethane	ND		ug/m ³	7.6	7.6	18.67	EPA TO-15	10/22/2014 15:18	10/23/2014 10:45	ALD
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	11	11	18.67	EPA TO-15	10/22/2014 15:18	10/23/2014 10:45	ALD
95-63-6	1,2,4-Trimethylbenzene	10		ug/m ³	9.2	9.2	18.67	EPA TO-15	10/22/2014 15:18	10/23/2014 10:45	ALD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	14	14	18.67	EPA TO-15	10/22/2014 15:18	10/23/2014 10:45	ALD
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	7.4	7.4	18.67	EPA TO-15	10/22/2014 15:18	10/23/2014 10:45	ALD
75-34-3	1,1-Dichloroethane	ND		ug/m ³	7.6	7.6	18.67	EPA TO-15	10/22/2014 15:18	10/23/2014 10:45	ALD
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m ³	10	10	18.67	EPA TO-15	10/22/2014 15:18	10/23/2014 10:45	ALD
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	10	10	18.67	EPA TO-15	10/22/2014 15:18	10/23/2014 10:45	ALD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	14	14	18.67	EPA TO-15	10/22/2014 15:18	10/23/2014 10:45	ALD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	13	13	18.67	EPA TO-15	10/22/2014 15:18	10/23/2014 10:45	ALD
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	10	10	18.67	EPA TO-15	10/22/2014 15:18	10/23/2014 10:45	ALD
75-71-8	Dichlorodifluoromethane	ND		ug/m ³	9.2	9.2	18.67	EPA TO-15	10/22/2014 15:18	10/23/2014 10:45	ALD
106-93-4	1,2-Dibromoethane	ND		ug/m ³	14	14	18.67	EPA TO-15	10/22/2014 15:18	10/23/2014 10:45	ALD
124-48-1	Dibromochloromethane	ND		ug/m ³	15	15	18.67	EPA TO-15	10/22/2014 15:18	10/23/2014 10:45	ALD
80-62-6	Methyl Methacrylate	ND		ug/m ³	7.6	7.6	18.67	EPA TO-15	10/22/2014 15:18	10/23/2014 10:45	ALD
108-90-7	Chlorobenzene	ND		ug/m ³	8.6	8.6	18.67	EPA TO-15	10/22/2014 15:18	10/23/2014 10:45	ALD
	Surrogate Recoveries	Result			Acceptance Range						
460-00-4	Surrogate: p-Bromofluorobenzene	103 %			72-118						

Sample Information

Client Sample ID: SV-5 20141015

York Sample ID: 14J0611-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14J0611

560944

Soil Vapor

October 15, 2014 12:30 pm

10/16/2014

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
75-01-4	Vinyl Chloride	ND		ug/m ³	1.2	1.2	18	EPA TO-15	10/22/2014 15:18	10/23/2014 11:35	ALD
108-05-4	Vinyl acetate	ND		ug/m ³	6.3	6.3	18	EPA TO-15	10/22/2014 15:18	10/23/2014 11:35	ALD
79-01-6	Trichloroethylene	ND		ug/m ³	2.4	2.4	18	EPA TO-15	10/22/2014 15:18	10/23/2014 11:35	ALD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	8.2	8.2	18	EPA TO-15	10/22/2014 15:18	10/23/2014 11:35	ALD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	7.1	7.1	18	EPA TO-15	10/22/2014 15:18	10/23/2014 11:35	ALD



Sample Information

Client Sample ID: SV-5 20141015

York Sample ID: 14J0611-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14J0611

560944

Soil Vapor

October 15, 2014 12:30 pm

10/16/2014

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to		Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
					LOD/MDL	LOQ					
108-88-3	Toluene	49		ug/m ³	6.8	6.8	18	EPA TO-15	10/22/2014 15:18	10/23/2014 11:35	ALD
109-99-9	* Tetrahydrofuran	ND		ug/m ³	5.3	5.3	18	EPA TO-15	10/22/2014 15:18	10/23/2014 11:35	ALD
127-18-4	Tetrachloroethylene	7.3		ug/m ³	3.1	3.1	18	EPA TO-15	10/22/2014 15:18	10/23/2014 11:35	ALD
100-42-5	Styrene	ND		ug/m ³	7.7	7.7	18	EPA TO-15	10/22/2014 15:18	10/23/2014 11:35	ALD
115-07-1	* Propylene	ND		ug/m ³	3.1	3.1	18	EPA TO-15	10/22/2014 15:18	10/23/2014 11:35	ALD
622-96-8	* p-Ethyltoluene	ND		ug/m ³	8.8	8.8	18	EPA TO-15	10/22/2014 15:18	10/23/2014 11:35	ALD
179601-23-1	p- & m- Xylenes	23		ug/m ³	16	16	18	EPA TO-15	10/22/2014 15:18	10/23/2014 11:35	ALD
95-47-6	o-Xylene	8.6		ug/m ³	7.8	7.8	18	EPA TO-15	10/22/2014 15:18	10/23/2014 11:35	ALD
110-54-3	n-Hexane	120		ug/m ³	6.3	6.3	18	EPA TO-15	10/22/2014 15:18	10/23/2014 11:35	ALD
142-82-5	n-Heptane	25		ug/m ³	7.4	7.4	18	EPA TO-15	10/22/2014 15:18	10/23/2014 11:35	ALD
75-09-2	Methylene chloride	35		ug/m ³	13	13	18	EPA TO-15	10/22/2014 15:18	10/23/2014 11:35	ALD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	6.5	6.5	18	EPA TO-15	10/22/2014 15:18	10/23/2014 11:35	ALD
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	7.4	7.4	18	EPA TO-15	10/22/2014 15:18	10/23/2014 11:35	ALD
67-63-0	Isopropanol	100		ug/m ³	8.8	8.8	18	EPA TO-15	10/22/2014 15:18	10/23/2014 11:35	ALD
87-68-3	Hexachlorobutadiene	ND		ug/m ³	19	19	18	EPA TO-15	10/22/2014 15:18	10/23/2014 11:35	ALD
100-41-4	Ethyl Benzene	7.8		ug/m ³	7.8	7.8	18	EPA TO-15	10/22/2014 15:18	10/23/2014 11:35	ALD
141-78-6	* Ethyl acetate	ND		ug/m ³	13	13	18	EPA TO-15	10/22/2014 15:18	10/23/2014 11:35	ALD
110-82-7	Cyclohexane	ND		ug/m ³	6.2	6.2	18	EPA TO-15	10/22/2014 15:18	10/23/2014 11:35	ALD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	8.2	8.2	18	EPA TO-15	10/22/2014 15:18	10/23/2014 11:35	ALD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	7.1	7.1	18	EPA TO-15	10/22/2014 15:18	10/23/2014 11:35	ALD
74-87-3	Chloromethane	ND		ug/m ³	3.7	3.7	18	EPA TO-15	10/22/2014 15:18	10/23/2014 11:35	ALD
67-66-3	Chloroform	18		ug/m ³	8.8	8.8	18	EPA TO-15	10/22/2014 15:18	10/23/2014 11:35	ALD
75-00-3	Chloroethane	ND		ug/m ³	4.7	4.7	18	EPA TO-15	10/22/2014 15:18	10/23/2014 11:35	ALD
56-23-5	Carbon tetrachloride	ND		ug/m ³	2.8	2.8	18	EPA TO-15	10/22/2014 15:18	10/23/2014 11:35	ALD
75-15-0	Carbon disulfide	9.0		ug/m ³	5.6	5.6	18	EPA TO-15	10/22/2014 15:18	10/23/2014 11:35	ALD
74-83-9	Bromomethane	ND		ug/m ³	7.0	7.0	18	EPA TO-15	10/22/2014 15:18	10/23/2014 11:35	ALD
75-25-2	Bromoform	ND		ug/m ³	19	19	18	EPA TO-15	10/22/2014 15:18	10/23/2014 11:35	ALD
75-27-4	Bromodichloromethane	ND		ug/m ³	11	11	18	EPA TO-15	10/22/2014 15:18	10/23/2014 11:35	ALD
100-44-7	Benzyl chloride	ND		ug/m ³	9.3	9.3	18	EPA TO-15	10/22/2014 15:18	10/23/2014 11:35	ALD
71-43-2	Benzene	11		ug/m ³	5.8	5.8	18	EPA TO-15	10/22/2014 15:18	10/23/2014 11:35	ALD
67-64-1	Acetone	150		ug/m ³	4.3	4.3	18	EPA TO-15	10/22/2014 15:18	10/23/2014 11:35	ALD
591-78-6	* 2-Hexanone	ND		ug/m ³	15	15	18	EPA TO-15	10/22/2014 15:18	10/23/2014 11:35	ALD
78-93-3	2-Butanone	16		ug/m ³	5.3	5.3	18	EPA TO-15	10/22/2014 15:18	10/23/2014 11:35	ALD
123-91-1	1,4-Dioxane	ND		ug/m ³	6.5	6.5	18	EPA TO-15	10/22/2014 15:18	10/23/2014 11:35	ALD
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	11	11	18	EPA TO-15	10/22/2014 15:18	10/23/2014 11:35	ALD
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	11	11	18	EPA TO-15	10/22/2014 15:18	10/23/2014 11:35	ALD
106-99-0	1,3-Butadiene	160		ug/m ³	7.8	7.8	18	EPA TO-15	10/22/2014 15:18	10/23/2014 11:35	ALD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	8.8	8.8	18	EPA TO-15	10/22/2014 15:18	10/23/2014 11:35	ALD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	13	13	18	EPA TO-15	10/22/2014 15:18	10/23/2014 11:35	ALD



Sample Information

Client Sample ID: SV-5 20141015

York Sample ID: 14J0611-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14J0611

560944

Soil Vapor

October 15, 2014 12:30 pm

10/16/2014

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	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
						LOQ					
78-87-5	1,2-Dichloropropane	ND		ug/m ³	8.3	8.3	18	EPA TO-15	10/22/2014 15:18	10/23/2014 11:35	ALD
107-06-2	1,2-Dichloroethane	ND		ug/m ³	7.3	7.3	18	EPA TO-15	10/22/2014 15:18	10/23/2014 11:35	ALD
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	11	11	18	EPA TO-15	10/22/2014 15:18	10/23/2014 11:35	ALD
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m ³	8.8	8.8	18	EPA TO-15	10/22/2014 15:18	10/23/2014 11:35	ALD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	13	13	18	EPA TO-15	10/22/2014 15:18	10/23/2014 11:35	ALD
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	7.1	7.1	18	EPA TO-15	10/22/2014 15:18	10/23/2014 11:35	ALD
75-34-3	1,1-Dichloroethane	ND		ug/m ³	7.3	7.3	18	EPA TO-15	10/22/2014 15:18	10/23/2014 11:35	ALD
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m ³	10	10	18	EPA TO-15	10/22/2014 15:18	10/23/2014 11:35	ALD
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	9.8	9.8	18	EPA TO-15	10/22/2014 15:18	10/23/2014 11:35	ALD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	14	14	18	EPA TO-15	10/22/2014 15:18	10/23/2014 11:35	ALD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	12	12	18	EPA TO-15	10/22/2014 15:18	10/23/2014 11:35	ALD
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	9.8	9.8	18	EPA TO-15	10/22/2014 15:18	10/23/2014 11:35	ALD
75-71-8	Dichlorodifluoromethane	ND		ug/m ³	8.9	8.9	18	EPA TO-15	10/22/2014 15:18	10/23/2014 11:35	ALD
106-93-4	1,2-Dibromoethane	ND		ug/m ³	14	14	18	EPA TO-15	10/22/2014 15:18	10/23/2014 11:35	ALD
124-48-1	Dibromochloromethane	ND		ug/m ³	14	14	18	EPA TO-15	10/22/2014 15:18	10/23/2014 11:35	ALD
80-62-6	Methyl Methacrylate	ND		ug/m ³	7.4	7.4	18	EPA TO-15	10/22/2014 15:18	10/23/2014 11:35	ALD
108-90-7	Chlorobenzene	ND		ug/m ³	8.3	8.3	18	EPA TO-15	10/22/2014 15:18	10/23/2014 11:35	ALD
	Surrogate Recoveries	Result			Acceptance Range						
460-00-4	Surrogate: <i>p</i> -Bromofluorobenzene	103 %			72-118						

Sample Information

Client Sample ID: SV-8 20141015

York Sample ID: 14J0611-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14J0611

560944

Soil Vapor

October 15, 2014 12:45 pm

10/16/2014

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	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
						LOQ					
75-01-4	Vinyl Chloride	ND		ug/m ³	1.3	1.3	21	EPA TO-15	10/22/2014 15:18	10/23/2014 12:25	ALD
108-05-4	Vinyl acetate	ND		ug/m ³	7.4	7.4	21	EPA TO-15	10/22/2014 15:18	10/23/2014 12:25	ALD
79-01-6	Trichloroethylene	ND		ug/m ³	2.8	2.8	21	EPA TO-15	10/22/2014 15:18	10/23/2014 12:25	ALD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	9.5	9.5	21	EPA TO-15	10/22/2014 15:18	10/23/2014 12:25	ALD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	8.3	8.3	21	EPA TO-15	10/22/2014 15:18	10/23/2014 12:25	ALD
108-88-3	Toluene	59		ug/m ³	7.9	7.9	21	EPA TO-15	10/22/2014 15:18	10/23/2014 12:25	ALD
109-99-9	* Tetrahydrofuran	ND		ug/m ³	6.2	6.2	21	EPA TO-15	10/22/2014 15:18	10/23/2014 12:25	ALD
127-18-4	Tetrachloroethylene	ND		ug/m ³	3.6	3.6	21	EPA TO-15	10/22/2014 15:18	10/23/2014 12:25	ALD



Sample Information

Client Sample ID: SV-8 20141015

York Sample ID: 14J0611-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14J0611

560944

Soil Vapor

October 15, 2014 12:45 pm

10/16/2014

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to		Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
					LOD/MDL	LOQ					
100-42-5	Styrene	ND		ug/m ³	8.9	8.9	21	EPA TO-15	10/22/2014 15:18	10/23/2014 12:25	ALD
115-07-1	* Propylene	ND		ug/m ³	3.6	3.6	21	EPA TO-15	10/22/2014 15:18	10/23/2014 12:25	ALD
622-96-8	* p-Ethyltoluene	10		ug/m ³	10	10	21	EPA TO-15	10/22/2014 15:18	10/23/2014 12:25	ALD
179601-23-1	p- & m- Xylenes	30		ug/m ³	18	18	21	EPA TO-15	10/22/2014 15:18	10/23/2014 12:25	ALD
95-47-6	o-Xylene	12		ug/m ³	9.1	9.1	21	EPA TO-15	10/22/2014 15:18	10/23/2014 12:25	ALD
110-54-3	n-Hexane	8.9		ug/m ³	7.4	7.4	21	EPA TO-15	10/22/2014 15:18	10/23/2014 12:25	ALD
142-82-5	n-Heptane	12		ug/m ³	8.6	8.6	21	EPA TO-15	10/22/2014 15:18	10/23/2014 12:25	ALD
75-09-2	Methylene chloride	ND		ug/m ³	15	15	21	EPA TO-15	10/22/2014 15:18	10/23/2014 12:25	ALD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	7.6	7.6	21	EPA TO-15	10/22/2014 15:18	10/23/2014 12:25	ALD
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	8.6	8.6	21	EPA TO-15	10/22/2014 15:18	10/23/2014 12:25	ALD
67-63-0	Isopropanol	270		ug/m ³	10	10	21	EPA TO-15	10/22/2014 15:18	10/23/2014 12:25	ALD
87-68-3	Hexachlorobutadiene	ND		ug/m ³	22	22	21	EPA TO-15	10/22/2014 15:18	10/23/2014 12:25	ALD
100-41-4	Ethyl Benzene	9.1		ug/m ³	9.1	9.1	21	EPA TO-15	10/22/2014 15:18	10/23/2014 12:25	ALD
141-78-6	* Ethyl acetate	22		ug/m ³	15	15	21	EPA TO-15	10/22/2014 15:18	10/23/2014 12:25	ALD
110-82-7	Cyclohexane	ND		ug/m ³	7.2	7.2	21	EPA TO-15	10/22/2014 15:18	10/23/2014 12:25	ALD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	9.5	9.5	21	EPA TO-15	10/22/2014 15:18	10/23/2014 12:25	ALD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	8.3	8.3	21	EPA TO-15	10/22/2014 15:18	10/23/2014 12:25	ALD
74-87-3	Chloromethane	ND		ug/m ³	4.3	4.3	21	EPA TO-15	10/22/2014 15:18	10/23/2014 12:25	ALD
67-66-3	Chloroform	19		ug/m ³	10	10	21	EPA TO-15	10/22/2014 15:18	10/23/2014 12:25	ALD
75-00-3	Chloroethane	ND		ug/m ³	5.5	5.5	21	EPA TO-15	10/22/2014 15:18	10/23/2014 12:25	ALD
56-23-5	Carbon tetrachloride	ND		ug/m ³	3.3	3.3	21	EPA TO-15	10/22/2014 15:18	10/23/2014 12:25	ALD
75-15-0	Carbon disulfide	22		ug/m ³	6.5	6.5	21	EPA TO-15	10/22/2014 15:18	10/23/2014 12:25	ALD
74-83-9	Bromomethane	ND		ug/m ³	8.2	8.2	21	EPA TO-15	10/22/2014 15:18	10/23/2014 12:25	ALD
75-25-2	Bromoform	ND		ug/m ³	22	22	21	EPA TO-15	10/22/2014 15:18	10/23/2014 12:25	ALD
75-27-4	Bromodichloromethane	ND		ug/m ³	13	13	21	EPA TO-15	10/22/2014 15:18	10/23/2014 12:25	ALD
100-44-7	Benzyl chloride	ND		ug/m ³	11	11	21	EPA TO-15	10/22/2014 15:18	10/23/2014 12:25	ALD
71-43-2	Benzene	6.7		ug/m ³	6.7	6.7	21	EPA TO-15	10/22/2014 15:18	10/23/2014 12:25	ALD
67-64-1	Acetone	150		ug/m ³	5.0	5.0	21	EPA TO-15	10/22/2014 15:18	10/23/2014 12:25	ALD
591-78-6	* 2-Hexanone	ND		ug/m ³	17	17	21	EPA TO-15	10/22/2014 15:18	10/23/2014 12:25	ALD
78-93-3	2-Butanone	15		ug/m ³	6.2	6.2	21	EPA TO-15	10/22/2014 15:18	10/23/2014 12:25	ALD
123-91-1	1,4-Dioxane	ND		ug/m ³	7.6	7.6	21	EPA TO-15	10/22/2014 15:18	10/23/2014 12:25	ALD
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	13	13	21	EPA TO-15	10/22/2014 15:18	10/23/2014 12:25	ALD
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	13	13	21	EPA TO-15	10/22/2014 15:18	10/23/2014 12:25	ALD
106-99-0	1,3-Butadiene	26		ug/m ³	9.1	9.1	21	EPA TO-15	10/22/2014 15:18	10/23/2014 12:25	ALD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	10	10	21	EPA TO-15	10/22/2014 15:18	10/23/2014 12:25	ALD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	15	15	21	EPA TO-15	10/22/2014 15:18	10/23/2014 12:25	ALD
78-87-5	1,2-Dichloropropane	ND		ug/m ³	9.7	9.7	21	EPA TO-15	10/22/2014 15:18	10/23/2014 12:25	ALD
107-06-2	1,2-Dichloroethane	ND		ug/m ³	8.5	8.5	21	EPA TO-15	10/22/2014 15:18	10/23/2014 12:25	ALD
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	13	13	21	EPA TO-15	10/22/2014 15:18	10/23/2014 12:25	ALD



Sample Information

Client Sample ID: SV-8 20141015

York Sample ID: 14J0611-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14J0611

560944

Soil Vapor

October 15, 2014 12:45 pm

10/16/2014

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
95-63-6	1,2,4-Trimethylbenzene	13		ug/m ³	10	10	21	EPA TO-15	10/22/2014 15:18	10/23/2014 12:25	ALD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	16	16	21	EPA TO-15	10/22/2014 15:18	10/23/2014 12:25	ALD
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	8.3	8.3	21	EPA TO-15	10/22/2014 15:18	10/23/2014 12:25	ALD
75-34-3	1,1-Dichloroethane	ND		ug/m ³	8.5	8.5	21	EPA TO-15	10/22/2014 15:18	10/23/2014 12:25	ALD
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m ³	12	12	21	EPA TO-15	10/22/2014 15:18	10/23/2014 12:25	ALD
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	11	11	21	EPA TO-15	10/22/2014 15:18	10/23/2014 12:25	ALD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	16	16	21	EPA TO-15	10/22/2014 15:18	10/23/2014 12:25	ALD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	14	14	21	EPA TO-15	10/22/2014 15:18	10/23/2014 12:25	ALD
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	11	11	21	EPA TO-15	10/22/2014 15:18	10/23/2014 12:25	ALD
75-71-8	Dichlorodifluoromethane	ND		ug/m ³	10	10	21	EPA TO-15	10/22/2014 15:18	10/23/2014 12:25	ALD
106-93-4	1,2-Dibromoethane	ND		ug/m ³	16	16	21	EPA TO-15	10/22/2014 15:18	10/23/2014 12:25	ALD
124-48-1	Dibromochloromethane	ND		ug/m ³	17	17	21	EPA TO-15	10/22/2014 15:18	10/23/2014 12:25	ALD
80-62-6	Methyl Methacrylate	ND		ug/m ³	8.6	8.6	21	EPA TO-15	10/22/2014 15:18	10/23/2014 12:25	ALD
108-90-7	Chlorobenzene	ND		ug/m ³	9.7	9.7	21	EPA TO-15	10/22/2014 15:18	10/23/2014 12:25	ALD
	Surrogate Recoveries	Result			Acceptance Range						
460-00-4	Surrogate: p-Bromofluorobenzene	103 %			72-118						

Sample Information

Client Sample ID: SV-1 20141015

York Sample ID: 14J0611-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14J0611

560944

Soil Vapor

October 15, 2014 1:10 pm

10/16/2014

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
75-01-4	Vinyl Chloride	ND		ug/m ³	1.2	1.2	18	EPA TO-15	10/22/2014 15:18	10/23/2014 13:15	ALD
108-05-4	Vinyl acetate	ND		ug/m ³	6.3	6.3	18	EPA TO-15	10/22/2014 15:18	10/23/2014 13:15	ALD
79-01-6	Trichloroethylene	ND		ug/m ³	2.4	2.4	18	EPA TO-15	10/22/2014 15:18	10/23/2014 13:15	ALD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	8.2	8.2	18	EPA TO-15	10/22/2014 15:18	10/23/2014 13:15	ALD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	7.1	7.1	18	EPA TO-15	10/22/2014 15:18	10/23/2014 13:15	ALD
108-88-3	Toluene	49		ug/m ³	6.8	6.8	18	EPA TO-15	10/22/2014 15:18	10/23/2014 13:15	ALD
109-99-9	* Tetrahydrofuran	ND		ug/m ³	5.3	5.3	18	EPA TO-15	10/22/2014 15:18	10/23/2014 13:15	ALD
127-18-4	Tetrachloroethylene	6.1		ug/m ³	3.1	3.1	18	EPA TO-15	10/22/2014 15:18	10/23/2014 13:15	ALD
100-42-5	Styrene	ND		ug/m ³	7.7	7.7	18	EPA TO-15	10/22/2014 15:18	10/23/2014 13:15	ALD
115-07-1	* Propylene	ND		ug/m ³	3.1	3.1	18	EPA TO-15	10/22/2014 15:18	10/23/2014 13:15	ALD
622-96-8	* p-Ethyltoluene	9.7		ug/m ³	8.8	8.8	18	EPA TO-15	10/22/2014 15:18	10/23/2014 13:15	ALD



Sample Information

Client Sample ID: SV-1 20141015

York Sample ID: 14J0611-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14J0611

560944

Soil Vapor

October 15, 2014 1:10 pm

10/16/2014

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to		Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
					LOD/MDL	LOQ					
179601-23-1	p- & m- Xylenes	29		ug/m ³	16	16	18	EPA TO-15	10/22/2014 15:18	10/23/2014 13:15	ALD
95-47-6	o-Xylene	11		ug/m ³	7.8	7.8	18	EPA TO-15	10/22/2014 15:18	10/23/2014 13:15	ALD
110-54-3	n-Hexane	22		ug/m ³	6.3	6.3	18	EPA TO-15	10/22/2014 15:18	10/23/2014 13:15	ALD
142-82-5	n-Heptane	11		ug/m ³	7.4	7.4	18	EPA TO-15	10/22/2014 15:18	10/23/2014 13:15	ALD
75-09-2	Methylene chloride	ND		ug/m ³	13	13	18	EPA TO-15	10/22/2014 15:18	10/23/2014 13:15	ALD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	6.5	6.5	18	EPA TO-15	10/22/2014 15:18	10/23/2014 13:15	ALD
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	7.4	7.4	18	EPA TO-15	10/22/2014 15:18	10/23/2014 13:15	ALD
67-63-0	Isopropanol	280		ug/m ³	8.8	8.8	18	EPA TO-15	10/22/2014 15:18	10/23/2014 13:15	ALD
87-68-3	Hexachlorobutadiene	ND		ug/m ³	19	19	18	EPA TO-15	10/22/2014 15:18	10/23/2014 13:15	ALD
100-41-4	Ethyl Benzene	9.4		ug/m ³	7.8	7.8	18	EPA TO-15	10/22/2014 15:18	10/23/2014 13:15	ALD
141-78-6	* Ethyl acetate	22		ug/m ³	13	13	18	EPA TO-15	10/22/2014 15:18	10/23/2014 13:15	ALD
110-82-7	Cyclohexane	6.8		ug/m ³	6.2	6.2	18	EPA TO-15	10/22/2014 15:18	10/23/2014 13:15	ALD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	8.2	8.2	18	EPA TO-15	10/22/2014 15:18	10/23/2014 13:15	ALD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	7.1	7.1	18	EPA TO-15	10/22/2014 15:18	10/23/2014 13:15	ALD
74-87-3	Chloromethane	6.3		ug/m ³	3.7	3.7	18	EPA TO-15	10/22/2014 15:18	10/23/2014 13:15	ALD
67-66-3	Chloroform	12		ug/m ³	8.8	8.8	18	EPA TO-15	10/22/2014 15:18	10/23/2014 13:15	ALD
75-00-3	Chloroethane	ND		ug/m ³	4.7	4.7	18	EPA TO-15	10/22/2014 15:18	10/23/2014 13:15	ALD
56-23-5	Carbon tetrachloride	ND		ug/m ³	2.8	2.8	18	EPA TO-15	10/22/2014 15:18	10/23/2014 13:15	ALD
75-15-0	Carbon disulfide	56		ug/m ³	5.6	5.6	18	EPA TO-15	10/22/2014 15:18	10/23/2014 13:15	ALD
74-83-9	Bromomethane	ND		ug/m ³	7.0	7.0	18	EPA TO-15	10/22/2014 15:18	10/23/2014 13:15	ALD
75-25-2	Bromoform	ND		ug/m ³	19	19	18	EPA TO-15	10/22/2014 15:18	10/23/2014 13:15	ALD
75-27-4	Bromodichloromethane	ND		ug/m ³	11	11	18	EPA TO-15	10/22/2014 15:18	10/23/2014 13:15	ALD
100-44-7	Benzyl chloride	ND		ug/m ³	9.3	9.3	18	EPA TO-15	10/22/2014 15:18	10/23/2014 13:15	ALD
71-43-2	Benzene	13		ug/m ³	5.8	5.8	18	EPA TO-15	10/22/2014 15:18	10/23/2014 13:15	ALD
67-64-1	Acetone	130		ug/m ³	4.3	4.3	18	EPA TO-15	10/22/2014 15:18	10/23/2014 13:15	ALD
591-78-6	* 2-Hexanone	ND		ug/m ³	15	15	18	EPA TO-15	10/22/2014 15:18	10/23/2014 13:15	ALD
78-93-3	2-Butanone	13		ug/m ³	5.3	5.3	18	EPA TO-15	10/22/2014 15:18	10/23/2014 13:15	ALD
123-91-1	1,4-Dioxane	ND		ug/m ³	6.5	6.5	18	EPA TO-15	10/22/2014 15:18	10/23/2014 13:15	ALD
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	11	11	18	EPA TO-15	10/22/2014 15:18	10/23/2014 13:15	ALD
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	11	11	18	EPA TO-15	10/22/2014 15:18	10/23/2014 13:15	ALD
106-99-0	1,3-Butadiene	73		ug/m ³	7.8	7.8	18	EPA TO-15	10/22/2014 15:18	10/23/2014 13:15	ALD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	8.8	8.8	18	EPA TO-15	10/22/2014 15:18	10/23/2014 13:15	ALD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	13	13	18	EPA TO-15	10/22/2014 15:18	10/23/2014 13:15	ALD
78-87-5	1,2-Dichloropropane	ND		ug/m ³	8.3	8.3	18	EPA TO-15	10/22/2014 15:18	10/23/2014 13:15	ALD
107-06-2	1,2-Dichloroethane	ND		ug/m ³	7.3	7.3	18	EPA TO-15	10/22/2014 15:18	10/23/2014 13:15	ALD
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	11	11	18	EPA TO-15	10/22/2014 15:18	10/23/2014 13:15	ALD
95-63-6	1,2,4-Trimethylbenzene	12		ug/m ³	8.8	8.8	18	EPA TO-15	10/22/2014 15:18	10/23/2014 13:15	ALD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	13	13	18	EPA TO-15	10/22/2014 15:18	10/23/2014 13:15	ALD
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	7.1	7.1	18	EPA TO-15	10/22/2014 15:18	10/23/2014 13:15	ALD



Sample Information

Client Sample ID: SV-1 20141015

York Sample ID: 14J0611-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14J0611

560944

Soil Vapor

October 15, 2014 1:10 pm

10/16/2014

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	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
						LOQ					
75-34-3	1,1-Dichloroethane	ND		ug/m ³	7.3	7.3	18	EPA TO-15	10/22/2014 15:18	10/23/2014 13:15	ALD
75-69-4	Trichlorofluoromethane (Freon 11)	11		ug/m ³	10	10	18	EPA TO-15	10/22/2014 15:18	10/23/2014 13:15	ALD
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	9.8	9.8	18	EPA TO-15	10/22/2014 15:18	10/23/2014 13:15	ALD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	14	14	18	EPA TO-15	10/22/2014 15:18	10/23/2014 13:15	ALD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	12	12	18	EPA TO-15	10/22/2014 15:18	10/23/2014 13:15	ALD
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	9.8	9.8	18	EPA TO-15	10/22/2014 15:18	10/23/2014 13:15	ALD
75-71-8	Dichlorodifluoromethane	ND		ug/m ³	8.9	8.9	18	EPA TO-15	10/22/2014 15:18	10/23/2014 13:15	ALD
106-93-4	1,2-Dibromoethane	ND		ug/m ³	14	14	18	EPA TO-15	10/22/2014 15:18	10/23/2014 13:15	ALD
124-48-1	Dibromochloromethane	ND		ug/m ³	14	14	18	EPA TO-15	10/22/2014 15:18	10/23/2014 13:15	ALD
80-62-6	Methyl Methacrylate	ND		ug/m ³	7.4	7.4	18	EPA TO-15	10/22/2014 15:18	10/23/2014 13:15	ALD
108-90-7	Chlorobenzene	ND		ug/m ³	8.3	8.3	18	EPA TO-15	10/22/2014 15:18	10/23/2014 13:15	ALD
	Surrogate Recoveries	Result			Acceptance Range						
460-00-4	Surrogate: <i>p</i> -Bromofluorobenzene	102 %			72-118						



Notes and Definitions

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.

*	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.

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. 1450611

YOUR Information		Report To:		Invoice To:		YOUR Project ID		Turn-Around Time		Report Type/Deliverables	
Company: <u>WES</u> Address: <u>48 Springdale Ave</u> <u>Long Beach, CT 06457</u> Phone No: <u>860-454-8544</u> Contact Person: <u>Donor Tankard</u> E-Mail Address: <u>ctabulle@proflor.com</u>		Company: " " Address: " " Phone No: " " Attention: " " E-Mail Address: " "		" " " " " " " " " "		<u>SW2944</u> Purchase Order No.		RUSH - Same Day <input type="checkbox"/> RUSH - Next Day <input type="checkbox"/> RUSH - Two Day <input type="checkbox"/> RUSH - Three Day <input type="checkbox"/> RUSH - Four Day <input type="checkbox"/> Standard (5-7 Days) <input checked="" type="checkbox"/>		Summary Report <input checked="" type="checkbox"/> Summary w/ QA Summary <input 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"/> Electronic Deliverables: <u>Egm's</u> EDD (Specify Type) <u>Egm's</u> Standard Excel <input type="checkbox"/> Regulatory Comparison Excel <input type="checkbox"/>	
Print Clearly and Legibly. All information must be completed. Samples will NOT be tagged by you. The sampling time clock will not begin until any questions by you are resolved.		Air Matrix Codes AI - INDOOR Ambient Air AO - OUTDOOR Amb. Air AE - Vapor Extraction Well/ Process Gas/Effluent AS - SOIL Vapor/Sub-Slab		TO15 Volatiles and Other Gas Analyses EPA TO-15 List NYSDEC VI list Tentatively Identified Compounds		EPA TO-14A List Air VPH Helium Methane OTHER		Detection Limits Required ≤ 1 ug/m ³ NYSDEC VI Limits (VI - upper minimum) NJDEP low level Routine Survey Other		Special Instructions	
Sample Identification	Date Sampled	AIR Matrix	Canister Vacuum Before Sampling (in. Hg)	Canister Vacuum After Sampling (in. Hg)	Choose Analytes Needed from the Menu Above and Enter Below	Sampling Media					
<u>SV-6 10/16/15</u>	<u>10/15/14 1023</u>	<u>AS</u>	<u>30" +</u>	<u>5"</u>	<u>10-15</u>	6 Liter Summa canister <input checked="" type="checkbox"/> Tedlar Bag					
<u>SV-4 10/14/15</u>	<u>1029</u>	<u>↓</u>	<u>24"</u>	<u>3"</u>		6 Liter Summa canister <input checked="" type="checkbox"/> Tedlar Bag					
<u>SV-5 10/14/15</u>	<u>1030</u>	<u>↓</u>	<u>24"</u>	<u>3"</u>		6 Liter Summa canister <input checked="" type="checkbox"/> Tedlar Bag					
<u>SV-8 10/14/15</u>	<u>1035</u>	<u>↓</u>	<u>24"</u>	<u>5"</u>		6 Liter Summa canister <input checked="" type="checkbox"/> Tedlar Bag					
<u>SV-1 10/14/15</u>	<u>1044</u>	<u>↓</u>	<u>30"</u>	<u>4"</u>		6 Liter Summa canister <input checked="" type="checkbox"/> 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					
Comments: <u>Chuc 10-16-14 12:45</u> Samples Received By: <u>Chuc</u> Date/Time: <u>10-16-14 1005</u> Samples Relinquished By: <u>ABF</u> Date/Time: <u>10-16-14 1005</u> Samples Relinquished By: _____ Date/Time: _____											



Technical Report

prepared for:

PVE Sheffler
48 Springside Avenue
Poughkeepsie NY, 12603
Attention: Conor Tarbell

Report Date: 10/29/2014
Client Project ID: 560944
York Project (SDG) No.: 14J0877

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 10/29/2014
Client Project ID: 560944
York Project (SDG) No.: 14J0877

PVE Sheffler
48 Springside Avenue
Poughkeepsie NY, 12603
Attention: Conor Tarbell

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 October 21, 2014 and listed below. The project was identified as your project: **560944**.

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>
14J0877-01	MW-1-20141020	Water	10/20/2014	10/21/2014
14J0877-02	MW-2-20141020	Water	10/20/2014	10/21/2014
14J0877-03	MW-3-20141020	Water	10/20/2014	10/21/2014
14J0877-04	TB-1-20141020	Water	10/20/2014	10/21/2014

General Notes for York Project (SDG) No.: 14J0877

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: 10/29/2014





Sample Information

Client Sample ID: MW-1-20141020

York Sample ID: 14J0877-01

<u>York Project (SDG) No.</u> 14J0877	<u>Client Project ID</u> 560944	<u>Matrix</u> Water	<u>Collection Date/Time</u> October 20, 2014 12:10 pm	<u>Date Received</u> 10/21/2014
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Volatile Organics, NYSDEC Part 375 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
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 05:23	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 05:23	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 05:23	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 05:23	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 05:23	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 05:23	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 05:23	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 05:23	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 05:23	SS
123-91-1	1,4-Dioxane	ND		ug/L	40	80	1	EPA 8260C	10/28/2014 16:25	10/29/2014 05:23	SS
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 05:23	SS
67-64-1	Acetone	6.4		ug/L	1.0	2.0	1	EPA 8260C	10/28/2014 16:25	10/29/2014 05:23	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 05:23	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 05:23	SS
108-90-7	Chlorobenzene	0.25	J	ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 05:23	SS
67-66-3	Chloroform	0.89		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 05:23	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 05:23	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 05:23	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 05:23	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	10/28/2014 16:25	10/29/2014 05:23	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 05:23	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 05:23	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 05:23	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	10/28/2014 16:25	10/29/2014 05:23	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 05:23	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 05:23	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 05:23	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 05:23	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 05:23	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 05:23	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 05:23	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	10/28/2014 16:25	10/29/2014 05:23	SS
	Surrogate Recoveries	Result		Acceptance Range							
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	110 %		69-130							
460-00-4	Surrogate: p-Bromofluorobenzene	88.2 %		79-122							



Sample Information

Client Sample ID: MW-1-20141020

York Sample ID: 14J0877-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14J0877

560944

Water

October 20, 2014 12:10 pm

10/21/2014

Volatile Organics, NYSDEC Part 375 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
2037-26-5	Surrogate: Toluene-d8	99.8 %			81-117						

Semi-Volatiles, NYSDEC Part 375 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	0.100		ug/L	0.0625	0.0625	1	EPA 8270D	10/27/2014 07:50	10/27/2014 16:55	KH
208-96-8	Acenaphthylene	ND		ug/L	0.0625	0.0625	1	EPA 8270D	10/27/2014 07:50	10/27/2014 16:55	KH
120-12-7	Anthracene	ND		ug/L	0.0625	0.0625	1	EPA 8270D	10/27/2014 07:50	10/27/2014 16:55	KH
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0625	0.0625	1	EPA 8270D	10/27/2014 07:50	10/27/2014 16:55	KH
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0625	0.0625	1	EPA 8270D	10/27/2014 07:50	10/27/2014 16:55	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0625	0.0625	1	EPA 8270D	10/27/2014 07:50	10/27/2014 16:55	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0625	0.0625	1	EPA 8270D	10/27/2014 07:50	10/27/2014 16:55	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0625	0.0625	1	EPA 8270D	10/27/2014 07:50	10/27/2014 16:55	KH
218-01-9	Chrysene	ND		ug/L	0.0625	0.0625	1	EPA 8270D	10/27/2014 07:50	10/27/2014 16:55	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0625	0.0625	1	EPA 8270D	10/27/2014 07:50	10/27/2014 16:55	KH
132-64-9	Dibenzofuran	ND		ug/L	3.12	6.25	1	EPA 8270D	10/27/2014 07:50	10/27/2014 18:58	KH
206-44-0	Fluoranthene	ND		ug/L	0.0625	0.0625	1	EPA 8270D	10/27/2014 07:50	10/27/2014 16:55	KH
86-73-7	Fluorene	0.0750		ug/L	0.0625	0.0625	1	EPA 8270D	10/27/2014 07:50	10/27/2014 16:55	KH
118-74-1	Hexachlorobenzene	ND		ug/L	0.0250	0.0250	1	EPA 8270D	10/27/2014 07:50	10/27/2014 18:58	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0625	0.0625	1	EPA 8270D	10/27/2014 07:50	10/27/2014 18:58	KH
95-48-7	2-Methylphenol	ND		ug/L	3.12	6.25	1	EPA 8270D	10/27/2014 07:50	10/27/2014 18:58	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/L	3.12	6.25	1	EPA 8270D	10/27/2014 07:50	10/27/2014 18:58	KH
91-20-3	Naphthalene	ND		ug/L	0.0625	0.0625	1	EPA 8270D	10/27/2014 07:50	10/27/2014 16:55	KH
87-86-5	Pentachlorophenol	ND		ug/L	0.312	0.312	1	EPA 8270D	10/27/2014 07:50	10/27/2014 16:55	KH
85-01-8	Phenanthrene	ND		ug/L	0.0625	0.0625	1	EPA 8270D	10/27/2014 07:50	10/27/2014 16:55	KH
108-95-2	Phenol	ND		ug/L	3.12	6.25	1	EPA 8270D	10/27/2014 07:50	10/27/2014 18:58	KH
129-00-0	Pyrene	ND		ug/L	0.0625	0.0625	1	EPA 8270D	10/27/2014 07:50	10/27/2014 16:55	KH

Surrogate Recoveries

Result

Acceptance Range

367-12-4	Surrogate: 2-Fluorophenol	25.9 %	10-47
4165-62-2	Surrogate: Phenol-d5	14.3 %	10-37
4165-60-0	Surrogate: Nitrobenzene-d5	59.6 %	10-109
321-60-8	Surrogate: 2-Fluorobiphenyl	57.1 %	10-97
118-79-6	Surrogate: 2,4,6-Tribromophenol	97.4 %	10-112
1718-51-0	Surrogate: Terphenyl-d14	71.7 %	10-137



Sample Information

Client Sample ID: MW-1-20141020

York Sample ID: 14J0877-01

<u>York Project (SDG) No.</u> 14J0877	<u>Client Project ID</u> 560944	<u>Matrix</u> Water	<u>Collection Date/Time</u> October 20, 2014 12:10 pm	<u>Date Received</u> 10/21/2014
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Pesticides, NYSDEC Part 375 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
72-54-8	4,4'-DDD	ND		ug/L	0.00457	0.00457	1	EPA 8081B	10/27/2014 08:01	10/27/2014 12:38	JW
72-55-9	4,4'-DDE	ND		ug/L	0.00457	0.00457	1	EPA 8081B	10/27/2014 08:01	10/27/2014 12:38	JW
50-29-3	4,4'-DDT	ND		ug/L	0.00457	0.00457	1	EPA 8081B	10/27/2014 08:01	10/27/2014 12:38	JW
309-00-2	Aldrin	ND		ug/L	0.00457	0.00457	1	EPA 8081B	10/27/2014 08:01	10/27/2014 12:38	JW
319-84-6	alpha-BHC	ND		ug/L	0.00457	0.00457	1	EPA 8081B	10/27/2014 08:01	10/27/2014 12:38	JW
319-85-7	beta-BHC	ND		ug/L	0.00457	0.00457	1	EPA 8081B	10/27/2014 08:01	10/27/2014 12:38	JW
319-86-8	delta-BHC	ND		ug/L	0.00457	0.00457	1	EPA 8081B	10/27/2014 08:01	10/27/2014 12:38	JW
60-57-1	Dieldrin	ND		ug/L	0.00229	0.00229	1	EPA 8081B	10/27/2014 08:01	10/27/2014 12:38	JW
959-98-8	Endosulfan I	ND		ug/L	0.00457	0.00457	1	EPA 8081B	10/27/2014 08:01	10/27/2014 12:38	JW
33213-65-9	Endosulfan II	ND		ug/L	0.00457	0.00457	1	EPA 8081B	10/27/2014 08:01	10/27/2014 12:38	JW
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00457	0.00457	1	EPA 8081B	10/27/2014 08:01	10/27/2014 12:38	JW
72-20-8	Endrin	ND		ug/L	0.00457	0.00457	1	EPA 8081B	10/27/2014 08:01	10/27/2014 12:38	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00457	0.00457	1	EPA 8081B	10/27/2014 08:01	10/27/2014 12:38	JW
76-44-8	Heptachlor	ND		ug/L	0.00457	0.00457	1	EPA 8081B	10/27/2014 08:01	10/27/2014 12:38	JW
5103-71-9	alpha-Chlordane	ND		ug/L	0.00457	0.00457	1	EPA 8081B	10/27/2014 08:01	10/27/2014 12:38	JW
	Surrogate Recoveries	Result			Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	37.9 %			30-120						
877-09-8	Surrogate: Tetrachloro-m-xylene	46.5 %			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	10/27/2014 08:01	10/27/2014 20:55	AMC
11104-28-2	Aroclor 1221	ND		ug/L	0.0571	0.0571	1	EPA 8082A	10/27/2014 08:01	10/27/2014 20:55	AMC
11141-16-5	Aroclor 1232	ND		ug/L	0.0571	0.0571	1	EPA 8082A	10/27/2014 08:01	10/27/2014 20:55	AMC
53469-21-9	Aroclor 1242	ND		ug/L	0.0571	0.0571	1	EPA 8082A	10/27/2014 08:01	10/27/2014 20:55	AMC
12672-29-6	Aroclor 1248	ND		ug/L	0.0571	0.0571	1	EPA 8082A	10/27/2014 08:01	10/27/2014 20:55	AMC
11097-69-1	Aroclor 1254	ND		ug/L	0.0571	0.0571	1	EPA 8082A	10/27/2014 08:01	10/27/2014 20:55	AMC
11096-82-5	Aroclor 1260	ND		ug/L	0.0571	0.0571	1	EPA 8082A	10/27/2014 08:01	10/27/2014 20:55	AMC
1336-36-3	* Total PCBs	ND		ug/L	0.0571	0.0571	1	EPA 8082A	10/27/2014 08:01	10/27/2014 20:55	AMC
	Surrogate Recoveries	Result			Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	51.5 %			30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	43.5 %			30-120						



Sample Information

Client Sample ID: MW-1-20141020

York Sample ID: 14J0877-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14J0877

560944

Water

October 20, 2014 12:10 pm

10/21/2014

Metals, NYSDEC Part 375

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	ND		mg/L	0.004	0.004	1	EPA 6010C	10/23/2014 15:48	10/23/2014 19:19	MW
7440-39-3	Barium	0.180		mg/L	0.010	0.010	1	EPA 6010C	10/23/2014 15:48	10/23/2014 19:19	MW
7440-41-7	Beryllium	ND		mg/L	0.001	0.001	1	EPA 6010C	10/23/2014 15:48	10/23/2014 19:19	MW
7440-43-9	Cadmium	ND		mg/L	0.003	0.003	1	EPA 6010C	10/23/2014 15:48	10/23/2014 19:19	MW
7440-47-3	Chromium	ND		mg/L	0.005	0.005	1	EPA 6010C	10/23/2014 15:48	10/23/2014 19:19	MW
7440-50-8	Copper	ND		mg/L	0.003	0.003	1	EPA 6010C	10/23/2014 15:48	10/23/2014 19:19	MW
7439-92-1	Lead	ND		mg/L	0.003	0.003	1	EPA 6010C	10/23/2014 15:48	10/23/2014 19:19	MW
7439-96-5	Manganese	0.291		mg/L	0.005	0.005	1	EPA 6010C	10/23/2014 15:48	10/23/2014 19:19	MW
7440-02-0	Nickel	ND		mg/L	0.005	0.005	1	EPA 6010C	10/23/2014 15:48	10/23/2014 19:19	MW
7782-49-2	Selenium	0.014		mg/L	0.010	0.010	1	EPA 6010C	10/23/2014 15:48	10/23/2014 19:19	MW
7440-22-4	Silver	ND		mg/L	0.005	0.005	1	EPA 6010C	10/23/2014 15:48	10/23/2014 19:19	MW
7440-66-6	Zinc	0.021		mg/L	0.010	0.010	1	EPA 6010C	10/23/2014 15:48	10/23/2014 19:19	MW

Metals, NYSDEC Part 375 - 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
7440-38-2	Arsenic	ND		mg/L	0.004	0.004	1	EPA 6010C	10/23/2014 15:52	10/23/2014 21:05	MW
7440-39-3	Barium	0.166		mg/L	0.010	0.010	1	EPA 6010C	10/23/2014 15:52	10/23/2014 21:05	MW
7440-41-7	Beryllium	ND		mg/L	0.001	0.001	1	EPA 6010C	10/23/2014 15:52	10/23/2014 21:05	MW
7440-43-9	Cadmium	ND		mg/L	0.003	0.003	1	EPA 6010C	10/23/2014 15:52	10/23/2014 21:05	MW
7440-47-3	Chromium	ND		mg/L	0.005	0.005	1	EPA 6010C	10/23/2014 15:52	10/23/2014 21:05	MW
7440-50-8	Copper	0.004		mg/L	0.003	0.003	1	EPA 6010C	10/23/2014 15:52	10/23/2014 21:05	MW
7439-92-1	Lead	ND		mg/L	0.003	0.003	1	EPA 6010C	10/23/2014 15:52	10/23/2014 21:05	MW
7439-96-5	Manganese	0.162		mg/L	0.005	0.005	1	EPA 6010C	10/23/2014 15:52	10/23/2014 21:05	MW
7440-02-0	Nickel	ND		mg/L	0.005	0.005	1	EPA 6010C	10/23/2014 15:52	10/23/2014 21:05	MW
7782-49-2	Selenium	ND		mg/L	0.010	0.010	1	EPA 6010C	10/23/2014 15:52	10/23/2014 21:05	MW
7440-22-4	Silver	ND		mg/L	0.005	0.005	1	EPA 6010C	10/23/2014 15:52	10/23/2014 21:05	MW
7440-66-6	Zinc	0.026		mg/L	0.010	0.010	1	EPA 6010C	10/23/2014 15:52	10/23/2014 21:05	MW



Sample Information

Client Sample ID: MW-1-20141020 York Sample ID: 14J0877-01
York Project (SDG) No. 14J0877 Client Project ID 560944 Matrix Water Collection Date/Time October 20, 2014 12:10 pm Date Received 10/21/2014

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

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: 7439-97-6 Mercury ND mg/L 0.00020 0.00020 1 EPA 7473 10/23/2014 12:01 10/24/2014 07:01 ALD

Mercury by 7473, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

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: 7439-97-6 Mercury ND mg/L 0.00020 0.00020 1 EPA 7473 10/23/2014 12:01 10/24/2014 07:01 ALD

Chromium, Hexavalent

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: 18540-29-9 Chromium, Hexavalent ND HT-02 mg/L 0.0100 0.0100 1 EPA 7196A 10/24/2014 11:12 10/24/2014 11:12 SC

Chromium, Hexavalent-Dissolved

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: 18540-29-9 Chromium, Hexavalent ND HT-02 mg/L 0.00600 0.0100 1 EPA 7196A 10/24/2014 11:12 10/24/2014 11:12 SC

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: *** DEFAULT PREP ***

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 10/27/2014 10:14 10/27/2014 10:19 SC

Chromium, Trivalent-Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: *** DEFAULT PREP ***

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 10/27/2014 10:14 10/27/2014 10:19 SC

Sample Information

Client Sample ID: MW-2-20141020 York Sample ID: 14J0877-02
York Project (SDG) No. 14J0877 Client Project ID 560944 Matrix Water Collection Date/Time October 20, 2014 1:40 pm Date Received 10/21/2014

Volatile Organics, NYSDEC Part 375 List

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: MW-2-20141020

York Sample ID: 14J0877-02

<u>York Project (SDG) No.</u> 14J0877	<u>Client Project ID</u> 560944	<u>Matrix</u> Water	<u>Collection Date/Time</u> October 20, 2014 1:40 pm	<u>Date Received</u> 10/21/2014
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Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 06:02	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 06:02	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 06:02	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 06:02	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 06:02	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 06:02	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 06:02	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 06:02	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 06:02	SS
123-91-1	1,4-Dioxane	ND		ug/L	40	80	1	EPA 8260C	10/28/2014 16:25	10/29/2014 06:02	SS
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 06:02	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	10/28/2014 16:25	10/29/2014 06:02	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 06:02	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 06:02	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 06:02	SS
67-66-3	Chloroform	1.3		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 06:02	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 06:02	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 06:02	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 06:02	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	10/28/2014 16:25	10/29/2014 06:02	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 06:02	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 06:02	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 06:02	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	10/28/2014 16:25	10/29/2014 06:02	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 06:02	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 06:02	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 06:02	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 06:02	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 06:02	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 06:02	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 06:02	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	10/28/2014 16:25	10/29/2014 06:02	SS

Surrogate Recoveries

Result

Acceptance Range

17060-07-0	Surrogate: 1,2-Dichloroethane-d4	113 %	69-130
460-00-4	Surrogate: p-Bromofluorobenzene	85.1 %	79-122
2037-26-5	Surrogate: Toluene-d8	101 %	81-117



Sample Information

Client Sample ID: MW-2-20141020

York Sample ID: 14J0877-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14J0877

560944

Water

October 20, 2014 1:40 pm

10/21/2014

Semi-Volatiles, NYSDEC Part 375 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	0.0526	0.0526	1	EPA 8270D	10/27/2014 07:50	10/27/2014 17:26	KH
208-96-8	Acenaphthylene	ND		ug/L	0.0526	0.0526	1	EPA 8270D	10/27/2014 07:50	10/27/2014 17:26	KH
120-12-7	Anthracene	ND		ug/L	0.0526	0.0526	1	EPA 8270D	10/27/2014 07:50	10/27/2014 17:26	KH
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0526	0.0526	1	EPA 8270D	10/27/2014 07:50	10/27/2014 17:26	KH
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0526	0.0526	1	EPA 8270D	10/27/2014 07:50	10/27/2014 17:26	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0526	0.0526	1	EPA 8270D	10/27/2014 07:50	10/27/2014 17:26	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0526	0.0526	1	EPA 8270D	10/27/2014 07:50	10/27/2014 17:26	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0526	0.0526	1	EPA 8270D	10/27/2014 07:50	10/27/2014 17:26	KH
218-01-9	Chrysene	ND		ug/L	0.0526	0.0526	1	EPA 8270D	10/27/2014 07:50	10/27/2014 17:26	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0526	0.0526	1	EPA 8270D	10/27/2014 07:50	10/27/2014 17:26	KH
132-64-9	Dibenzofuran	ND		ug/L	2.63	5.26	1	EPA 8270D	10/27/2014 07:50	10/27/2014 19:29	KH
206-44-0	Fluoranthene	ND		ug/L	0.0526	0.0526	1	EPA 8270D	10/27/2014 07:50	10/27/2014 17:26	KH
86-73-7	Fluorene	ND		ug/L	0.0526	0.0526	1	EPA 8270D	10/27/2014 07:50	10/27/2014 17:26	KH
118-74-1	Hexachlorobenzene	ND		ug/L	0.0211	0.0211	1	EPA 8270D	10/27/2014 07:50	10/27/2014 17:26	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0526	0.0526	1	EPA 8270D	10/27/2014 07:50	10/27/2014 17:26	KH
95-48-7	2-Methylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D	10/27/2014 07:50	10/27/2014 19:29	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.63	5.26	1	EPA 8270D	10/27/2014 07:50	10/27/2014 19:29	KH
91-20-3	Naphthalene	ND		ug/L	0.0526	0.0526	1	EPA 8270D	10/27/2014 07:50	10/27/2014 17:26	KH
87-86-5	Pentachlorophenol	ND		ug/L	0.263	0.263	1	EPA 8270D	10/27/2014 07:50	10/27/2014 17:26	KH
85-01-8	Phenanthrene	ND		ug/L	0.0526	0.0526	1	EPA 8270D	10/27/2014 07:50	10/27/2014 17:26	KH
108-95-2	Phenol	ND		ug/L	2.63	5.26	1	EPA 8270D	10/27/2014 07:50	10/27/2014 19:29	KH
129-00-0	Pyrene	ND		ug/L	0.0526	0.0526	1	EPA 8270D	10/27/2014 07:50	10/27/2014 17:26	KH
	Surrogate Recoveries	Result			Acceptance Range						
367-12-4	Surrogate: 2-Fluorophenol	24.0 %			10-47						
4165-62-2	Surrogate: Phenol-d5	11.9 %			10-37						
4165-60-0	Surrogate: Nitrobenzene-d5	59.6 %			10-109						
321-60-8	Surrogate: 2-Fluorobiphenyl	54.4 %			10-97						
118-79-6	Surrogate: 2,4,6-Tribromophenol	100 %			10-112						
1718-51-0	Surrogate: Terphenyl-d14	80.1 %			10-137						



Sample Information

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Water

October 20, 2014 1:40 pm

10/21/2014

Pesticides, NYSDEC Part 375 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
72-54-8	4,4'-DDD	ND		ug/L	0.00432	0.00432	1	EPA 8081B	10/27/2014 08:01	10/27/2014 12:53	JW
72-55-9	4,4'-DDE	ND		ug/L	0.00432	0.00432	1	EPA 8081B	10/27/2014 08:01	10/27/2014 12:53	JW
50-29-3	4,4'-DDT	ND		ug/L	0.00432	0.00432	1	EPA 8081B	10/27/2014 08:01	10/27/2014 12:53	JW
309-00-2	Aldrin	ND		ug/L	0.00432	0.00432	1	EPA 8081B	10/27/2014 08:01	10/27/2014 12:53	JW
319-84-6	alpha-BHC	ND		ug/L	0.00432	0.00432	1	EPA 8081B	10/27/2014 08:01	10/27/2014 12:53	JW
319-85-7	beta-BHC	ND		ug/L	0.00432	0.00432	1	EPA 8081B	10/27/2014 08:01	10/27/2014 12:53	JW
319-86-8	delta-BHC	ND		ug/L	0.00432	0.00432	1	EPA 8081B	10/27/2014 08:01	10/27/2014 12:53	JW
60-57-1	Dieldrin	ND		ug/L	0.00216	0.00216	1	EPA 8081B	10/27/2014 08:01	10/27/2014 12:53	JW
959-98-8	Endosulfan I	ND		ug/L	0.00432	0.00432	1	EPA 8081B	10/27/2014 08:01	10/27/2014 12:53	JW
33213-65-9	Endosulfan II	ND		ug/L	0.00432	0.00432	1	EPA 8081B	10/27/2014 08:01	10/27/2014 12:53	JW
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00432	0.00432	1	EPA 8081B	10/27/2014 08:01	10/27/2014 12:53	JW
72-20-8	Endrin	ND		ug/L	0.00432	0.00432	1	EPA 8081B	10/27/2014 08:01	10/27/2014 12:53	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00432	0.00432	1	EPA 8081B	10/27/2014 08:01	10/27/2014 12:53	JW
76-44-8	Heptachlor	ND		ug/L	0.00432	0.00432	1	EPA 8081B	10/27/2014 08:01	10/27/2014 12:53	JW
5103-71-9	alpha-Chlordane	ND		ug/L	0.00432	0.00432	1	EPA 8081B	10/27/2014 08:01	10/27/2014 12:53	JW
	Surrogate Recoveries	Result			Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	28.2 %	GC-Sur		30-120						
877-09-8	Surrogate: Tetrachloro-m-xylene	36.5 %	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
12674-11-2	Aroclor 1016	ND		ug/L	0.0541	0.0541	1	EPA 8082A	10/27/2014 08:01	10/27/2014 21:14	AMC
11104-28-2	Aroclor 1221	ND		ug/L	0.0541	0.0541	1	EPA 8082A	10/27/2014 08:01	10/27/2014 21:14	AMC
11141-16-5	Aroclor 1232	ND		ug/L	0.0541	0.0541	1	EPA 8082A	10/27/2014 08:01	10/27/2014 21:14	AMC
53469-21-9	Aroclor 1242	ND		ug/L	0.0541	0.0541	1	EPA 8082A	10/27/2014 08:01	10/27/2014 21:14	AMC
12672-29-6	Aroclor 1248	ND		ug/L	0.0541	0.0541	1	EPA 8082A	10/27/2014 08:01	10/27/2014 21:14	AMC
11097-69-1	Aroclor 1254	ND		ug/L	0.0541	0.0541	1	EPA 8082A	10/27/2014 08:01	10/27/2014 21:14	AMC
11096-82-5	Aroclor 1260	ND		ug/L	0.0541	0.0541	1	EPA 8082A	10/27/2014 08:01	10/27/2014 21:14	AMC
1336-36-3	* Total PCBs	ND		ug/L	0.0541	0.0541	1	EPA 8082A	10/27/2014 08:01	10/27/2014 21:14	AMC
	Surrogate Recoveries	Result			Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	39.5 %			30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	41.0 %			30-120						



Sample Information

Client Sample ID: MW-2-20141020

York Sample ID: 14J0877-02

York Project (SDG) No.

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Water

October 20, 2014 1:40 pm

10/21/2014

Metals, NYSDEC Part 375

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	ND		mg/L	0.004	0.004	1	EPA 6010C	10/23/2014 15:48	10/23/2014 19:24	MW
7440-39-3	Barium	0.118		mg/L	0.010	0.010	1	EPA 6010C	10/23/2014 15:48	10/23/2014 19:24	MW
7440-41-7	Beryllium	ND		mg/L	0.001	0.001	1	EPA 6010C	10/23/2014 15:48	10/23/2014 19:24	MW
7440-43-9	Cadmium	ND		mg/L	0.003	0.003	1	EPA 6010C	10/23/2014 15:48	10/23/2014 19:24	MW
7440-47-3	Chromium	ND		mg/L	0.005	0.005	1	EPA 6010C	10/23/2014 15:48	10/23/2014 19:24	MW
7440-50-8	Copper	ND		mg/L	0.003	0.003	1	EPA 6010C	10/23/2014 15:48	10/23/2014 19:24	MW
7439-92-1	Lead	ND		mg/L	0.003	0.003	1	EPA 6010C	10/23/2014 15:48	10/23/2014 19:24	MW
7439-96-5	Manganese	0.053		mg/L	0.005	0.005	1	EPA 6010C	10/23/2014 15:48	10/23/2014 19:24	MW
7440-02-0	Nickel	ND		mg/L	0.005	0.005	1	EPA 6010C	10/23/2014 15:48	10/23/2014 19:24	MW
7782-49-2	Selenium	ND		mg/L	0.010	0.010	1	EPA 6010C	10/23/2014 15:48	10/23/2014 19:24	MW
7440-22-4	Silver	ND		mg/L	0.005	0.005	1	EPA 6010C	10/23/2014 15:48	10/23/2014 19:24	MW
7440-66-6	Zinc	0.012		mg/L	0.010	0.010	1	EPA 6010C	10/23/2014 15:48	10/23/2014 19:24	MW

Metals, NYSDEC Part 375 - 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
7440-38-2	Arsenic	ND		mg/L	0.004	0.004	1	EPA 6010C	10/23/2014 15:52	10/23/2014 21:10	MW
7440-39-3	Barium	0.119		mg/L	0.010	0.010	1	EPA 6010C	10/23/2014 15:52	10/23/2014 21:10	MW
7440-41-7	Beryllium	ND		mg/L	0.001	0.001	1	EPA 6010C	10/23/2014 15:52	10/23/2014 21:10	MW
7440-43-9	Cadmium	ND		mg/L	0.003	0.003	1	EPA 6010C	10/23/2014 15:52	10/23/2014 21:10	MW
7440-47-3	Chromium	ND		mg/L	0.005	0.005	1	EPA 6010C	10/23/2014 15:52	10/23/2014 21:10	MW
7440-50-8	Copper	ND		mg/L	0.003	0.003	1	EPA 6010C	10/23/2014 15:52	10/23/2014 21:10	MW
7439-92-1	Lead	ND		mg/L	0.003	0.003	1	EPA 6010C	10/23/2014 15:52	10/23/2014 21:10	MW
7439-96-5	Manganese	0.056		mg/L	0.005	0.005	1	EPA 6010C	10/23/2014 15:52	10/23/2014 21:10	MW
7440-02-0	Nickel	ND		mg/L	0.005	0.005	1	EPA 6010C	10/23/2014 15:52	10/23/2014 21:10	MW
7782-49-2	Selenium	ND		mg/L	0.010	0.010	1	EPA 6010C	10/23/2014 15:52	10/23/2014 21:10	MW
7440-22-4	Silver	ND		mg/L	0.005	0.005	1	EPA 6010C	10/23/2014 15:52	10/23/2014 21:10	MW
7440-66-6	Zinc	0.017		mg/L	0.010	0.010	1	EPA 6010C	10/23/2014 15:52	10/23/2014 21:10	MW



Sample Information

Client Sample ID: MW-2-20141020

York Sample ID: 14J0877-02

<u>York Project (SDG) No.</u> 14J0877	<u>Client Project ID</u> 560944	<u>Matrix</u> Water	<u>Collection Date/Time</u> October 20, 2014 1:40 pm	<u>Date Received</u> 10/21/2014
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Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	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	10/23/2014 12:01	10/24/2014 07:01	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	10/23/2014 12:01	10/24/2014 07:01	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	10/24/2014 11:12	10/24/2014 11:12	SC

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: *** DEFAULT PREP ***

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	10/27/2014 10:14	10/27/2014 10:19	SC

Sample Information

Client Sample ID: MW-3-20141020

York Sample ID: 14J0877-03

<u>York Project (SDG) No.</u> 14J0877	<u>Client Project ID</u> 560944	<u>Matrix</u> Water	<u>Collection Date/Time</u> October 20, 2014 2:15 pm	<u>Date Received</u> 10/21/2014
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Volatile Organics, NYSDEC Part 375 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
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 06:41	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 06:41	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 06:41	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 06:41	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 06:41	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 06:41	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 06:41	SS



Sample Information

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York Sample ID: 14J0877-03

York Project (SDG) No.

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Water

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Volatile Organics, NYSDEC Part 375 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
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 06:41	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 06:41	SS
123-91-1	1,4-Dioxane	ND		ug/L	40	80	1	EPA 8260C	10/28/2014 16:25	10/29/2014 06:41	SS
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 06:41	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	10/28/2014 16:25	10/29/2014 06:41	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 06:41	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 06:41	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 06:41	SS
67-66-3	Chloroform	1.6		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 06:41	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 06:41	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 06:41	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 06:41	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	10/28/2014 16:25	10/29/2014 06:41	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 06:41	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 06:41	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 06:41	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	10/28/2014 16:25	10/29/2014 06:41	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 06:41	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 06:41	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 06:41	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 06:41	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 06:41	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 06:41	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 06:41	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	10/28/2014 16:25	10/29/2014 06:41	SS
	Surrogate Recoveries	Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	106 %			69-130						
460-00-4	Surrogate: p-Bromofluorobenzene	89.1 %			79-122						
2037-26-5	Surrogate: Toluene-d8	99.0 %			81-117						



Sample Information

Client Sample ID: MW-3-20141020

York Sample ID: 14J0877-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14J0877

560944

Water

October 20, 2014 2:15 pm

10/21/2014

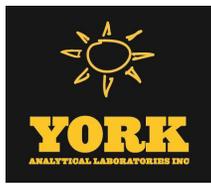
Semi-Volatiles, NYSDEC Part 375 List

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	0.0526	0.0526	1	EPA 8270D	10/27/2014 07:50	10/27/2014 17:57	KH
208-96-8	Acenaphthylene	ND		ug/L	0.0526	0.0526	1	EPA 8270D	10/27/2014 07:50	10/27/2014 17:57	KH
120-12-7	Anthracene	ND		ug/L	0.0526	0.0526	1	EPA 8270D	10/27/2014 07:50	10/27/2014 17:57	KH
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0526	0.0526	1	EPA 8270D	10/27/2014 07:50	10/27/2014 17:57	KH
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0526	0.0526	1	EPA 8270D	10/27/2014 07:50	10/27/2014 17:57	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0526	0.0526	1	EPA 8270D	10/27/2014 07:50	10/27/2014 17:57	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0526	0.0526	1	EPA 8270D	10/27/2014 07:50	10/27/2014 17:57	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0526	0.0526	1	EPA 8270D	10/27/2014 07:50	10/27/2014 17:57	KH
218-01-9	Chrysene	ND		ug/L	0.0526	0.0526	1	EPA 8270D	10/27/2014 07:50	10/27/2014 17:57	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0526	0.0526	1	EPA 8270D	10/27/2014 07:50	10/27/2014 17:57	KH
132-64-9	Dibenzofuran	ND		ug/L	2.63	5.26	1	EPA 8270D	10/27/2014 07:50	10/27/2014 20:01	KH
206-44-0	Fluoranthene	ND		ug/L	0.0526	0.0526	1	EPA 8270D	10/27/2014 07:50	10/27/2014 17:57	KH
86-73-7	Fluorene	0.200		ug/L	0.0526	0.0526	1	EPA 8270D	10/27/2014 07:50	10/27/2014 17:57	KH
118-74-1	Hexachlorobenzene	ND		ug/L	0.0211	0.0211	1	EPA 8270D	10/27/2014 07:50	10/27/2014 17:57	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0526	0.0526	1	EPA 8270D	10/27/2014 07:50	10/27/2014 17:57	KH
95-48-7	2-Methylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D	10/27/2014 07:50	10/27/2014 20:01	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.63	5.26	1	EPA 8270D	10/27/2014 07:50	10/27/2014 20:01	KH
91-20-3	Naphthalene	ND		ug/L	0.0526	0.0526	1	EPA 8270D	10/27/2014 07:50	10/27/2014 17:57	KH
87-86-5	Pentachlorophenol	ND		ug/L	0.263	0.263	1	EPA 8270D	10/27/2014 07:50	10/27/2014 17:57	KH
85-01-8	Phenanthrene	0.0526		ug/L	0.0526	0.0526	1	EPA 8270D	10/27/2014 07:50	10/27/2014 17:57	KH
108-95-2	Phenol	ND		ug/L	2.63	5.26	1	EPA 8270D	10/27/2014 07:50	10/27/2014 20:01	KH
129-00-0	Pyrene	ND		ug/L	0.0526	0.0526	1	EPA 8270D	10/27/2014 07:50	10/27/2014 17:57	KH
	Surrogate Recoveries	Result			Acceptance Range						
367-12-4	Surrogate: 2-Fluorophenol	17.4 %			10-47						
4165-62-2	Surrogate: Phenol-d5	12.1 %			10-37						
4165-60-0	Surrogate: Nitrobenzene-d5	56.3 %			10-109						
321-60-8	Surrogate: 2-Fluorobiphenyl	51.8 %			10-97						
118-79-6	Surrogate: 2,4,6-Tribromophenol	83.8 %			10-112						
1718-51-0	Surrogate: Terphenyl-d14	67.5 %			10-137						



Sample Information

Client Sample ID: MW-3-20141020

York Sample ID: 14J0877-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14J0877

560944

Water

October 20, 2014 2:15 pm

10/21/2014

Pesticides, NYSDEC Part 375 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
72-54-8	4,4'-DDD	ND		ug/L	0.00432	0.00432	1	EPA 8081B	10/27/2014 08:01	10/27/2014 13:08	JW
72-55-9	4,4'-DDE	ND		ug/L	0.00432	0.00432	1	EPA 8081B	10/27/2014 08:01	10/27/2014 13:08	JW
50-29-3	4,4'-DDT	ND		ug/L	0.00432	0.00432	1	EPA 8081B	10/27/2014 08:01	10/27/2014 13:08	JW
309-00-2	Aldrin	ND		ug/L	0.00432	0.00432	1	EPA 8081B	10/27/2014 08:01	10/27/2014 13:08	JW
319-84-6	alpha-BHC	ND		ug/L	0.00432	0.00432	1	EPA 8081B	10/27/2014 08:01	10/27/2014 13:08	JW
319-85-7	beta-BHC	ND		ug/L	0.00432	0.00432	1	EPA 8081B	10/27/2014 08:01	10/27/2014 13:08	JW
319-86-8	delta-BHC	ND		ug/L	0.00432	0.00432	1	EPA 8081B	10/27/2014 08:01	10/27/2014 13:08	JW
60-57-1	Dieldrin	ND		ug/L	0.00216	0.00216	1	EPA 8081B	10/27/2014 08:01	10/27/2014 13:08	JW
959-98-8	Endosulfan I	ND		ug/L	0.00432	0.00432	1	EPA 8081B	10/27/2014 08:01	10/27/2014 13:08	JW
33213-65-9	Endosulfan II	ND		ug/L	0.00432	0.00432	1	EPA 8081B	10/27/2014 08:01	10/27/2014 13:08	JW
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00432	0.00432	1	EPA 8081B	10/27/2014 08:01	10/27/2014 13:08	JW
72-20-8	Endrin	ND		ug/L	0.00432	0.00432	1	EPA 8081B	10/27/2014 08:01	10/27/2014 13:08	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00432	0.00432	1	EPA 8081B	10/27/2014 08:01	10/27/2014 13:08	JW
76-44-8	Heptachlor	ND		ug/L	0.00432	0.00432	1	EPA 8081B	10/27/2014 08:01	10/27/2014 13:08	JW
5103-71-9	alpha-Chlordane	ND		ug/L	0.00432	0.00432	1	EPA 8081B	10/27/2014 08:01	10/27/2014 13:08	JW
	Surrogate Recoveries	Result			Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	33.6 %			30-120						
877-09-8	Surrogate: Tetrachloro-m-xylene	41.5 %			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	0.0541	0.0541	1	EPA 8082A	10/27/2014 08:01	10/27/2014 21:34	AMC
11104-28-2	Aroclor 1221	ND		ug/L	0.0541	0.0541	1	EPA 8082A	10/27/2014 08:01	10/27/2014 21:34	AMC
11141-16-5	Aroclor 1232	ND		ug/L	0.0541	0.0541	1	EPA 8082A	10/27/2014 08:01	10/27/2014 21:34	AMC
53469-21-9	Aroclor 1242	ND		ug/L	0.0541	0.0541	1	EPA 8082A	10/27/2014 08:01	10/27/2014 21:34	AMC
12672-29-6	Aroclor 1248	ND		ug/L	0.0541	0.0541	1	EPA 8082A	10/27/2014 08:01	10/27/2014 21:34	AMC
11097-69-1	Aroclor 1254	ND		ug/L	0.0541	0.0541	1	EPA 8082A	10/27/2014 08:01	10/27/2014 21:34	AMC
11096-82-5	Aroclor 1260	ND		ug/L	0.0541	0.0541	1	EPA 8082A	10/27/2014 08:01	10/27/2014 21:34	AMC
1336-36-3	* Total PCBs	ND		ug/L	0.0541	0.0541	1	EPA 8082A	10/27/2014 08:01	10/27/2014 21:34	AMC
	Surrogate Recoveries	Result			Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	44.0 %			30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	47.0 %			30-120						



Sample Information

Client Sample ID: MW-3-20141020

York Sample ID: 14J0877-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14J0877

560944

Water

October 20, 2014 2:15 pm

10/21/2014

Metals, NYSDEC Part 375

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	ND		mg/L	0.004	0.004	1	EPA 6010C	10/23/2014 15:48	10/23/2014 19:29	MW
7440-39-3	Barium	0.118		mg/L	0.010	0.010	1	EPA 6010C	10/23/2014 15:48	10/23/2014 19:29	MW
7440-41-7	Beryllium	ND		mg/L	0.001	0.001	1	EPA 6010C	10/23/2014 15:48	10/23/2014 19:29	MW
7440-43-9	Cadmium	ND		mg/L	0.003	0.003	1	EPA 6010C	10/23/2014 15:48	10/23/2014 19:29	MW
7440-47-3	Chromium	ND		mg/L	0.005	0.005	1	EPA 6010C	10/23/2014 15:48	10/23/2014 19:29	MW
7440-50-8	Copper	ND		mg/L	0.003	0.003	1	EPA 6010C	10/23/2014 15:48	10/23/2014 19:29	MW
7439-92-1	Lead	ND		mg/L	0.003	0.003	1	EPA 6010C	10/23/2014 15:48	10/23/2014 19:29	MW
7439-96-5	Manganese	0.080		mg/L	0.005	0.005	1	EPA 6010C	10/23/2014 15:48	10/23/2014 19:29	MW
7440-02-0	Nickel	ND		mg/L	0.005	0.005	1	EPA 6010C	10/23/2014 15:48	10/23/2014 19:29	MW
7782-49-2	Selenium	ND		mg/L	0.010	0.010	1	EPA 6010C	10/23/2014 15:48	10/23/2014 19:29	MW
7440-22-4	Silver	ND		mg/L	0.005	0.005	1	EPA 6010C	10/23/2014 15:48	10/23/2014 19:29	MW
7440-66-6	Zinc	0.011		mg/L	0.010	0.010	1	EPA 6010C	10/23/2014 15:48	10/23/2014 19:29	MW

Metals, NYSDEC Part 375 - 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
7440-38-2	Arsenic	ND		mg/L	0.004	0.004	1	EPA 6010C	10/23/2014 15:52	10/23/2014 21:15	MW
7440-39-3	Barium	0.118		mg/L	0.010	0.010	1	EPA 6010C	10/23/2014 15:52	10/23/2014 21:15	MW
7440-41-7	Beryllium	ND		mg/L	0.001	0.001	1	EPA 6010C	10/23/2014 15:52	10/23/2014 21:15	MW
7440-43-9	Cadmium	ND		mg/L	0.003	0.003	1	EPA 6010C	10/23/2014 15:52	10/23/2014 21:15	MW
7440-47-3	Chromium	ND		mg/L	0.005	0.005	1	EPA 6010C	10/23/2014 15:52	10/23/2014 21:15	MW
7440-50-8	Copper	ND		mg/L	0.003	0.003	1	EPA 6010C	10/23/2014 15:52	10/23/2014 21:15	MW
7439-92-1	Lead	ND		mg/L	0.003	0.003	1	EPA 6010C	10/23/2014 15:52	10/23/2014 21:15	MW
7439-96-5	Manganese	0.074		mg/L	0.005	0.005	1	EPA 6010C	10/23/2014 15:52	10/23/2014 21:15	MW
7440-02-0	Nickel	ND		mg/L	0.005	0.005	1	EPA 6010C	10/23/2014 15:52	10/23/2014 21:15	MW
7782-49-2	Selenium	ND		mg/L	0.010	0.010	1	EPA 6010C	10/23/2014 15:52	10/23/2014 21:15	MW
7440-22-4	Silver	ND		mg/L	0.005	0.005	1	EPA 6010C	10/23/2014 15:52	10/23/2014 21:15	MW
7440-66-6	Zinc	0.020		mg/L	0.010	0.010	1	EPA 6010C	10/23/2014 15:52	10/23/2014 21:15	MW



Sample Information

Client Sample ID: MW-3-20141020 **York Sample ID:** 14J0877-03
York Project (SDG) No. 14J0877 Client Project ID 560944 Matrix Water Collection Date/Time October 20, 2014 2:15 pm Date Received 10/21/2014

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	10/23/2014 12:01	10/24/2014 07:01	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	10/23/2014 12:01	10/24/2014 07:01	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	10/24/2014 11:12	10/24/2014 11:12	SC

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: *** DEFAULT PREP ***

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	10/27/2014 10:14	10/27/2014 10:19	SC

Sample Information

Client Sample ID: TB-1-20141020 **York Sample ID:** 14J0877-04
York Project (SDG) No. 14J0877 Client Project ID 560944 Matrix Water Collection Date/Time October 20, 2014 12:00 am Date Received 10/21/2014

Volatile Organics, NYSDEC Part 375 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
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 07:20	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 07:20	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 07:20	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 07:20	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 07:20	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 07:20	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 07:20	SS



Sample Information

Client Sample ID: TB-1-20141020

York Sample ID: 14J0877-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14J0877

560944

Water

October 20, 2014 12:00 am

10/21/2014

Volatile Organics, NYSDEC Part 375 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
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 07:20	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 07:20	SS
123-91-1	1,4-Dioxane	ND		ug/L	40	80	1	EPA 8260C	10/28/2014 16:25	10/29/2014 07:20	SS
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 07:20	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	10/28/2014 16:25	10/29/2014 07:20	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 07:20	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 07:20	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 07:20	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 07:20	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 07:20	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 07:20	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 07:20	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	10/28/2014 16:25	10/29/2014 07:20	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 07:20	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 07:20	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 07:20	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	10/28/2014 16:25	10/29/2014 07:20	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 07:20	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 07:20	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 07:20	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 07:20	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 07:20	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 07:20	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	10/28/2014 16:25	10/29/2014 07:20	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	10/28/2014 16:25	10/29/2014 07:20	SS
	Surrogate Recoveries	Result		Acceptance Range							
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	104 %		69-130							
460-00-4	Surrogate: p-Bromofluorobenzene	87.8 %		79-122							
2037-26-5	Surrogate: Toluene-d8	102 %		81-117							



Analytical Batch Summary

Batch ID: BJ41208 **Preparation Method:** EPA 7473 water **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
14J0877-01	MW-1-20141020	10/23/14
14J0877-02	MW-2-20141020	10/23/14
14J0877-03	MW-3-20141020	10/23/14
BJ41208-BLK1	Blank	10/23/14
BJ41208-SRM1	Reference	10/23/14

Batch ID: BJ41224 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
14J0877-01	MW-1-20141020	10/23/14
14J0877-02	MW-2-20141020	10/23/14
14J0877-03	MW-3-20141020	10/23/14
BJ41224-BLK1	Blank	10/23/14
BJ41224-SRM1	Reference	10/23/14

Batch ID: BJ41225 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
14J0877-01	MW-1-20141020	10/23/14
14J0877-02	MW-2-20141020	10/23/14
14J0877-03	MW-3-20141020	10/23/14
BJ41225-BLK1	Blank	10/23/14
BJ41225-SRM1	Reference	10/23/14

Batch ID: BJ41275 **Preparation Method:** Analysis Preparation **Prepared By:** SC

YORK Sample ID	Client Sample ID	Preparation Date
14J0877-01	MW-1-20141020	10/24/14
14J0877-02	MW-2-20141020	10/24/14
14J0877-03	MW-3-20141020	10/24/14
BJ41275-BLK1	Blank	10/24/14
BJ41275-BS1	LCS	10/24/14
BJ41275-DUP1	Duplicate	10/24/14
BJ41275-MS1	Matrix Spike	10/24/14

Batch ID: BJ41329 **Preparation Method:** EPA 3510C **Prepared By:** KAT

YORK Sample ID	Client Sample ID	Preparation Date
14J0877-01	MW-1-20141020	10/27/14
14J0877-02	MW-2-20141020	10/27/14
14J0877-03	MW-3-20141020	10/27/14
BJ41329-BLK1	Blank	10/27/14
BJ41329-BS1	LCS	10/27/14



BJ41329-BSD1

LCS Dup

10/27/14

Batch ID: BJ41333 **Preparation Method:** EPA SW846-3510C Low Level **Prepared By:** KAT

YORK Sample ID	Client Sample ID	Preparation Date
14J0877-01	MW-1-20141020	10/27/14
14J0877-01	MW-1-20141020	10/27/14
14J0877-02	MW-2-20141020	10/27/14
14J0877-02	MW-2-20141020	10/27/14
14J0877-03	MW-3-20141020	10/27/14
14J0877-03	MW-3-20141020	10/27/14
BJ41333-BLK1	Blank	10/27/14
BJ41333-BLK1	Blank	10/27/14
BJ41333-BS1	LCS	10/27/14
BJ41333-BS2	LCS	10/27/14
BJ41333-BSD1	LCS Dup	10/27/14
BJ41333-BSD2	LCS Dup	10/27/14

Batch ID: BJ41339 **Preparation Method:** *** DEFAULT PREP *** **Prepared By:** SC

YORK Sample ID	Client Sample ID	Preparation Date
14J0877-01	MW-1-20141020	10/27/14
14J0877-02	MW-2-20141020	10/27/14
14J0877-03	MW-3-20141020	10/27/14

Batch ID: BJ41457 **Preparation Method:** EPA 5030B **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
14J0877-01	MW-1-20141020	10/28/14
14J0877-02	MW-2-20141020	10/28/14
14J0877-03	MW-3-20141020	10/28/14
14J0877-04	TB-1-20141020	10/28/14
BJ41457-BLK1	Blank	10/28/14
BJ41457-BS1	LCS	10/28/14
BJ41457-BSD1	LCS Dup	10/28/14



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 BJ41457 - EPA 5030B

Blank (BJ41457-BLK1)

Prepared: 10/28/2014 Analyzed: 10/29/2014

1,1,1-Trichloroethane	ND	0.50	ug/L								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	80	"								
2-Butanone	ND	0.50	"								
Acetone	ND	2.0	"								
Benzene	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroform	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
sec-Butylbenzene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
<i>Surrogate: 1,2-Dichloroethane-d4</i>	9.18		"	10.0		91.8	69-130				
<i>Surrogate: p-Bromofluorobenzene</i>	9.30		"	10.0		93.0	79-122				
<i>Surrogate: Toluene-d8</i>	10.2		"	10.0		102	81-117				



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 BJ41457 - EPA 5030B

LCS (BJ41457-BS1)

Prepared: 10/28/2014 Analyzed: 10/29/2014

1,1,1-Trichloroethane	9.4		ug/L	10.0		94.4	78-136				
1,1-Dichloroethane	10		"	10.0		100	82-129				
1,1-Dichloroethylene	10		"	10.0		100	68-138				
1,2,4-Trimethylbenzene	8.4		"	10.0		84.0	82-132				
1,2-Dichlorobenzene	9.2		"	10.0		91.9	79-123				
1,2-Dichloroethane	9.8		"	10.0		97.7	73-132				
1,3,5-Trimethylbenzene	8.3		"	10.0		83.4	80-131				
1,3-Dichlorobenzene	9.1		"	10.0		90.6	86-122				
1,4-Dichlorobenzene	9.4		"	10.0		93.5	85-124				
1,4-Dioxane	220		"	200		110	10-349				
2-Butanone	10		"	10.0		101	49-152				
Acetone	9.6		"	10.0		95.5	14-150				
Benzene	10		"	10.0		103	85-126				
Carbon tetrachloride	9.6		"	10.0		95.8	77-141				
Chlorobenzene	9.8		"	10.0		98.0	88-120				
Chloroform	9.7		"	10.0		96.9	82-128				
cis-1,2-Dichloroethylene	10		"	10.0		103	83-129				
Ethyl Benzene	9.3		"	10.0		93.0	80-131				
Methyl tert-butyl ether (MTBE)	11		"	10.0		105	76-135				
Methylene chloride	9.3		"	10.0		93.3	55-137				
n-Butylbenzene	8.8		"	10.0		87.8	79-132				
n-Propylbenzene	8.5		"	10.0		85.3	78-133				
o-Xylene	9.4		"	10.0		93.9	78-130				
p- & m- Xylenes	19		"	20.0		93.7	77-133				
sec-Butylbenzene	8.7		"	10.0		86.6	79-137				
tert-Butylbenzene	8.8		"	10.0		87.6	77-138				
Tetrachloroethylene	9.2		"	10.0		92.5	82-131				
Toluene	9.5		"	10.0		95.2	80-127				
trans-1,2-Dichloroethylene	10		"	10.0		104	80-132				
Trichloroethylene	9.1		"	10.0		91.4	82-128				
Vinyl Chloride	9.9		"	10.0		98.9	58-145				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	9.65		"	10.0		96.5	69-130				
<i>Surrogate: p-Bromofluorobenzene</i>	9.03		"	10.0		90.3	79-122				
<i>Surrogate: Toluene-d8</i>	9.68		"	10.0		96.8	81-117				



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 BJ41457 - EPA 5030B

LCS Dup (BJ41457-BSD1)

Prepared: 10/28/2014 Analyzed: 10/29/2014

1,1,1-Trichloroethane	9.6		ug/L	10.0		95.5	78-136		1.16	30
1,1-Dichloroethane	9.9		"	10.0		98.6	82-129		1.61	30
1,1-Dichloroethylene	10		"	10.0		104	68-138		3.54	30
1,2,4-Trimethylbenzene	9.1		"	10.0		91.4	82-132		8.44	30
1,2-Dichlorobenzene	9.7		"	10.0		96.6	79-123		4.99	30
1,2-Dichloroethane	10		"	10.0		100	73-132		2.73	30
1,3,5-Trimethylbenzene	8.7		"	10.0		87.3	80-131		4.57	30
1,3-Dichlorobenzene	9.5		"	10.0		94.7	86-122		4.43	30
1,4-Dichlorobenzene	9.8		"	10.0		97.9	85-124		4.60	30
1,4-Dioxane	220		"	200		109	10-349		1.51	30
2-Butanone	10		"	10.0		104	49-152		3.12	30
Acetone	9.9		"	10.0		99.0	14-150		3.60	30
Benzene	11		"	10.0		105	85-126		1.92	30
Carbon tetrachloride	9.7		"	10.0		97.2	77-141		1.45	30
Chlorobenzene	9.8		"	10.0		98.0	88-120		0.00	30
Chloroform	9.9		"	10.0		98.7	82-128		1.84	30
cis-1,2-Dichloroethylene	10		"	10.0		104	83-129		0.963	30
Ethyl Benzene	9.6		"	10.0		95.9	80-131		3.07	30
Methyl tert-butyl ether (MTBE)	9.4		"	10.0		94.5	76-135		10.9	30
Methylene chloride	10		"	10.0		101	55-137		7.53	30
n-Butylbenzene	9.4		"	10.0		94.0	79-132		6.82	30
n-Propylbenzene	9.2		"	10.0		92.1	78-133		7.67	30
o-Xylene	9.6		"	10.0		95.8	78-130		2.00	30
p- & m- Xylenes	19		"	20.0		96.4	77-133		2.89	30
sec-Butylbenzene	9.2		"	10.0		92.2	79-137		6.26	30
tert-Butylbenzene	9.5		"	10.0		95.1	77-138		8.21	30
Tetrachloroethylene	9.2		"	10.0		92.3	82-131		0.216	30
Toluene	10		"	10.0		99.6	80-127		4.52	30
trans-1,2-Dichloroethylene	9.9		"	10.0		99.2	80-132		4.63	30
Trichloroethylene	9.3		"	10.0		93.2	82-128		1.95	30
Vinyl Chloride	9.6		"	10.0		96.5	58-145		2.46	30
<i>Surrogate: 1,2-Dichloroethane-d4</i>	9.72		"	10.0		97.2	69-130			
<i>Surrogate: p-Bromofluorobenzene</i>	9.26		"	10.0		92.6	79-122			
<i>Surrogate: Toluene-d8</i>	9.84		"	10.0		98.4	81-117			



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 BJ41329 - EPA 3510C

Blank (BJ41329-BLK1)

Prepared & Analyzed: 10/27/2014

Acenaphthene	ND	0.0500	ug/L								
Acenaphthylene	ND	0.0500	"								
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	"								
Chrysene	ND	0.0500	"								
Dibenzo(a,h)anthracene	ND	0.0500	"								
Dibenzofuran	ND	5.00	"								
Fluoranthene	ND	0.0500	"								
Fluorene	ND	0.0500	"								
Hexachlorobenzene	ND	0.0200	"								
Indeno(1,2,3-cd)pyrene	ND	0.0500	"								
2-Methylphenol	ND	5.00	"								
3- & 4-Methylphenols	ND	5.00	"								
Naphthalene	ND	0.0500	"								
Pentachlorophenol	ND	0.250	"								
Phenanthrene	ND	0.0500	"								
Phenol	ND	5.00	"								
Pyrene	ND	0.0500	"								
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Surrogate: 2-Fluorophenol	12.8		"	75.4		17.0	10-47				
Surrogate: Phenol-d5	6.52		"	75.4		8.65	10-37				
Surrogate: Nitrobenzene-d5	23.9		"	50.0		47.8	10-109				
Surrogate: 2-Fluorobiphenyl	21.0		"	50.3		41.8	10-97				
Surrogate: 2,4,6-Tribromophenol	42.2		"	75.2		56.1	10-112				
Surrogate: Terphenyl-d14	26.1		"	50.2		52.0	10-137				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BJ41329 - EPA 3510C

LCS (BJ41329-BS1)

Prepared & Analyzed: 10/27/2014

Acenaphthene	33.1	0.0500	ug/L	50.0		66.3	24-114						
Acenaphthylene	30.3	0.0500	"	50.0		60.6	26-112						
Anthracene	31.9	0.0500	"	50.0		63.8	35-114						
Benzo(a)anthracene	30.3	0.0500	"	50.0		60.6	38-127						
Benzo(a)pyrene	28.2	0.0500	"	50.0		56.4	30-146						
Benzo(b)fluoranthene	28.2	0.0500	"	50.0		56.4	36-145						
Benzo(g,h,i)perylene	31.8	0.0500	"	50.0		63.7	10-163						
Benzo(k)fluoranthene	28.1	0.0500	"	50.0		56.3	16-149						
Chrysene	29.9	0.0500	"	50.0		59.8	33-120						
Dibenzo(a,h)anthracene	33.5	0.0500	"	50.0		67.0	10-149						
Dibenzofuran	31.0	5.00	"	50.0		61.9	42-105						
Fluoranthene	34.4	0.0500	"	50.0		68.8	33-126						
Fluorene	34.6	0.0500	"	50.0		69.3	28-117						
Hexachlorobenzene	37.2	0.0200	"	50.0		74.5	27-120						
Indeno(1,2,3-cd)pyrene	33.0	0.0500	"	50.0		66.1	10-150						
2-Methylphenol	13.3	5.00	"	50.0		26.6	10-90						
3- & 4-Methylphenols	9.45	5.00	"	50.0		18.9	10-101						
Naphthalene	32.4	0.0500	"	50.0		64.7	30-99						
Pentachlorophenol	21.3	0.250	"	50.0		42.5	19-127						
Phenanthrene	34.3	0.0500	"	50.0		68.6	31-112						
Phenol	ND	5.00	"	50.0			10-37				Low Bias		
Pyrene	28.2	0.0500	"	50.0		56.5	42-125						
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Surrogate: 2-Fluorophenol	14.1		"	75.4		18.7	10-47						
Surrogate: Phenol-d5	11.0		"	75.4		14.6	10-37						
Surrogate: Nitrobenzene-d5	31.9		"	50.0		63.8	10-109						
Surrogate: 2-Fluorobiphenyl	27.7		"	50.3		55.1	10-97						
Surrogate: 2,4,6-Tribromophenol	54.4		"	75.2		72.4	10-112						
Surrogate: Terphenyl-d14	28.5		"	50.2		56.7	10-137						



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 BJ41329 - EPA 3510C											
LCS Dup (BJ41329-BSD1)											
										Prepared & Analyzed: 10/27/2014	
Acenaphthene	31.9	0.0500	ug/L	50.0		63.7	24-114		3.88	20	
Acenaphthylene	30.6	0.0500	"	50.0		61.1	26-112		0.854	20	
Anthracene	31.4	0.0500	"	50.0		62.9	35-114		1.48	20	
Benzo(a)anthracene	29.5	0.0500	"	50.0		58.9	38-127		2.71	20	
Benzo(a)pyrene	28.2	0.0500	"	50.0		56.5	30-146		0.213	20	
Benzo(b)fluoranthene	27.9	0.0500	"	50.0		55.8	36-145		1.11	20	
Benzo(g,h,i)perylene	31.1	0.0500	"	50.0		62.3	10-163		2.22	20	
Benzo(k)fluoranthene	27.3	0.0500	"	50.0		54.5	16-149		3.10	20	
Chrysene	29.5	0.0500	"	50.0		59.0	33-120		1.31	20	
Dibenzo(a,h)anthracene	33.7	0.0500	"	50.0		67.3	10-149		0.417	20	
Dibenzofuran	31.3	5.00	"	50.0		62.5	42-105		0.964	20	
Fluoranthene	33.3	0.0500	"	50.0		66.7	33-126		3.13	20	
Fluorene	34.6	0.0500	"	50.0		69.2	28-117		0.0578	20	
Hexachlorobenzene	34.0	0.0200	"	50.0		67.9	27-120		9.21	20	
Indeno(1,2,3-cd)pyrene	32.2	0.0500	"	50.0		64.5	10-150		2.45	20	
2-Methylphenol	15.8	5.00	"	50.0		31.6	10-90		17.4	20	
3- & 4-Methylphenols	ND	5.00	"	50.0			10-101	Low Bias		20	
Naphthalene	31.4	0.0500	"	50.0		62.7	30-99		3.11	20	
Pentachlorophenol	19.7	0.250	"	50.0		39.5	19-127		7.47	20	
Phenanthrene	33.4	0.0500	"	50.0		66.7	31-112		2.72	20	
Phenol	5.91	5.00	"	50.0		11.8	10-37		147	20	Non-dir.
Pyrene	28.3	0.0500	"	50.0		56.6	42-125		0.283	20	
<i>Surrogate: 2-Fluorophenol</i>	<i>10.1</i>		<i>"</i>	<i>75.4</i>		<i>13.4</i>	<i>10-47</i>				
<i>Surrogate: Phenol-d5</i>	<i>7.20</i>		<i>"</i>	<i>75.4</i>		<i>9.55</i>	<i>10-37</i>				
<i>Surrogate: Nitrobenzene-d5</i>	<i>28.8</i>		<i>"</i>	<i>50.0</i>		<i>57.6</i>	<i>10-109</i>				
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>26.0</i>		<i>"</i>	<i>50.3</i>		<i>51.6</i>	<i>10-97</i>				
<i>Surrogate: 2,4,6-Tribromophenol</i>	<i>59.2</i>		<i>"</i>	<i>75.2</i>		<i>78.7</i>	<i>10-112</i>				
<i>Surrogate: Terphenyl-d14</i>	<i>26.8</i>		<i>"</i>	<i>50.2</i>		<i>53.4</i>	<i>10-137</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 BJ41333 - EPA SW846-3510C Low Level

Blank (BJ41333-BLK1)

Prepared & Analyzed: 10/27/2014

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	"								
beta-BHC	ND	0.00400	"								
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	"								
gamma-BHC (Lindane)	ND	0.00400	"								
Heptachlor	ND	0.00400	"								
alpha-Chlordane	ND	0.00400	"								
<i>Surrogate: Decachlorobiphenyl</i>	<i>0.0883</i>		<i>"</i>	<i>0.200</i>		<i>44.2</i>	<i>30-120</i>				
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>0.111</i>		<i>"</i>	<i>0.200</i>		<i>55.5</i>	<i>30-120</i>				

LCS (BJ41333-BS1)

Prepared & Analyzed: 10/27/2014

4,4'-DDD	0.0746	0.00400	ug/L	0.100		74.6	40-120				
4,4'-DDE	0.0715	0.00400	"	0.100		71.5	40-120				
4,4'-DDT	0.0771	0.00400	"	0.100		77.1	40-120				
Aldrin	0.0563	0.00400	"	0.100		56.3	40-120				
alpha-BHC	0.0586	0.00400	"	0.100		58.6	40-120				
beta-BHC	0.0625	0.00400	"	0.100		62.5	40-120				
delta-BHC	0.0439	0.00400	"	0.100		43.9	40-120				
Dieldrin	0.0642	0.00200	"	0.100		64.2	40-120				
Endosulfan I	0.0638	0.00400	"	0.100		63.8	40-120				
Endosulfan II	0.0650	0.00400	"	0.100		65.0	40-120				
Endosulfan sulfate	0.0605	0.00400	"	0.100		60.5	40-120				
Endrin	0.0720	0.00400	"	0.100		72.0	40-120				
gamma-BHC (Lindane)	0.0604	0.00400	"	0.100		60.4	40-120				
Heptachlor	0.0542	0.00400	"	0.100		54.2	40-120				
alpha-Chlordane	0.0605	0.00400	"	0.100		60.5	40-120				
<i>Surrogate: Decachlorobiphenyl</i>	<i>0.0695</i>		<i>"</i>	<i>0.200</i>		<i>34.7</i>	<i>30-120</i>				
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>0.121</i>		<i>"</i>	<i>0.200</i>		<i>60.4</i>	<i>30-120</i>				



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 BJ41333 - EPA SW846-3510C Low Level

LCS Dup (BJ41333-BSD1)

Prepared & Analyzed: 10/27/2014

4,4'-DDD	0.0776	0.00400	ug/L	0.100		77.6	40-120			3.89	30		
4,4'-DDE	0.0739	0.00400	"	0.100		73.9	40-120			3.35	30		
4,4'-DDT	0.0811	0.00400	"	0.100		81.1	40-120			5.04	30		
Aldrin	0.0565	0.00400	"	0.100		56.5	40-120			0.277	30		
alpha-BHC	0.0590	0.00400	"	0.100		59.0	40-120			0.699	30		
beta-BHC	0.0633	0.00400	"	0.100		63.3	40-120			1.13	30		
delta-BHC	0.0448	0.00400	"	0.100		44.8	40-120			2.00	30		
Dieldrin	0.0653	0.00200	"	0.100		65.3	40-120			1.78	30		
Endosulfan I	0.0650	0.00400	"	0.100		65.0	40-120			1.82	30		
Endosulfan II	0.0669	0.00400	"	0.100		66.9	40-120			2.79	30		
Endosulfan sulfate	0.0634	0.00400	"	0.100		63.4	40-120			4.75	30		
Endrin	0.0739	0.00400	"	0.100		73.9	40-120			2.68	30		
gamma-BHC (Lindane)	0.0608	0.00400	"	0.100		60.8	40-120			0.645	30		
Heptachlor	0.0557	0.00400	"	0.100		55.7	40-120			2.76	30		
alpha-Chlordane	0.0613	0.00400	"	0.100		61.3	40-120			1.38	30		
<i>Surrogate: Decachlorobiphenyl</i>	<i>0.0725</i>		<i>"</i>	<i>0.200</i>		<i>36.3</i>	<i>30-120</i>						
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>0.123</i>		<i>"</i>	<i>0.200</i>		<i>61.4</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
Batch BJ41333 - EPA SW846-3510C Low Level											
Blank (BJ41333-BLK1)										Prepared & Analyzed: 10/27/2014	
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>	0.113		"	0.200		56.5	30-120				
<i>Surrogate: Decachlorobiphenyl</i>	0.0850		"	0.200		42.5	30-120				
LCS (BJ41333-BS2)										Prepared & Analyzed: 10/27/2014	
Aroclor 1016	0.702	0.0500	ug/L	1.00		70.2	40-120				
Aroclor 1260	0.697	0.0500	"	1.00		69.7	40-120				
<i>Surrogate: Tetrachloro-m-xylene</i>	0.103		"	0.200		51.5	30-120				
<i>Surrogate: Decachlorobiphenyl</i>	0.0540		"	0.200		27.0	30-120				
LCS Dup (BJ41333-BSD2)										Prepared & Analyzed: 10/27/2014	
Aroclor 1016	0.744	0.0500	ug/L	1.00		74.4	40-120	5.70	30		
Aroclor 1260	0.745	0.0500	"	1.00		74.5	40-120	6.69	30		
<i>Surrogate: Tetrachloro-m-xylene</i>	0.109		"	0.200		54.5	30-120				
<i>Surrogate: Decachlorobiphenyl</i>	0.0600		"	0.200		30.0	30-120				



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

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

Batch BJ41224 - EPA 3010A

Blank (BJ41224-BLK1)

Prepared & Analyzed: 10/23/2014

Arsenic	ND	0.004	mg/L								
Barium	ND	0.010	"								
Beryllium	ND	0.001	"								
Cadmium	ND	0.003	"								
Chromium	ND	0.005	"								
Copper	ND	0.003	"								
Lead	ND	0.003	"								
Manganese	ND	0.005	"								
Nickel	ND	0.005	"								
Selenium	ND	0.010	"								
Silver	ND	0.005	"								
Zinc	ND	0.010	"								

Reference (BJ41224-SRM1)

Prepared & Analyzed: 10/23/2014

Arsenic	0.389	0.004	mg/L	0.438	88.7	83.3-116
Barium	0.368	0.010	"	0.365	101	84.9-115
Beryllium	0.214	0.001	"	0.227	94.4	85-115
Cadmium	0.311	0.003	"	0.334	93.1	85-115
Chromium	0.742	0.005	"	0.797	93.1	84.9-115
Copper	0.170	0.003	"	0.177	95.8	84.7-115
Lead	1.45	0.003	"	1.47	98.6	85-115
Manganese	0.541	0.005	"	0.538	100	84.9-115
Nickel	1.62	0.005	"	1.71	94.6	88.3-112
Selenium	0.461	0.010	"	0.521	88.6	85-115
Silver	0.348	0.005	"	0.384	90.7	84.9-115
Zinc	1.43	0.010	"	1.53	93.4	85-115



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

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

Batch BJ41225 - EPA 3010A

Blank (BJ41225-BLK1)

Prepared & Analyzed: 10/23/2014

Arsenic - Dissolved	ND	0.004	mg/L									
Barium - Dissolved	ND	0.010	"									
Beryllium - Dissolved	ND	0.001	"									
Cadmium - Dissolved	ND	0.003	"									
Chromium - Dissolved	ND	0.005	"									
Copper - Dissolved	ND	0.003	"									
Lead - Dissolved	ND	0.003	"									
Manganese - Dissolved	ND	0.005	"									
Nickel - Dissolved	ND	0.005	"									
Selenium - Dissolved	ND	0.010	"									
Silver - Dissolved	ND	0.005	"									
Zinc - Dissolved	ND	0.010	"									

Reference (BJ41225-SRM1)

Prepared & Analyzed: 10/23/2014

Arsenic - Dissolved	0.379	0.004	mg/L	0.438		86.5	83.3-116
Barium - Dissolved	0.362	0.010	"	0.365		99.2	84.9-115
Beryllium - Dissolved	0.212	0.001	"	0.227		93.5	85-115
Cadmium - Dissolved	0.309	0.003	"	0.334		92.4	85-115
Chromium - Dissolved	0.732	0.005	"	0.797		91.8	84.9-115
Copper - Dissolved	0.166	0.003	"	0.177		94.0	84.7-115
Lead - Dissolved	1.43	0.003	"	1.47		97.1	85-115
Manganese - Dissolved	0.534	0.005	"	0.538		99.3	84.9-115
Nickel - Dissolved	1.60	0.005	"	1.71		93.6	88.3-112
Selenium - Dissolved	0.458	0.010	"	0.521		87.8	85-115
Silver - Dissolved	0.341	0.005	"	0.384		88.9	84.9-115
Zinc - Dissolved	1.42	0.010	"	1.53		92.7	85-115



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

Analyte	Result	Reporting	Units	Spike	Source*	%REC	Flag	RPD	RPD	Limit	Flag
		Limit		Level	Result	Limits		Limit			
Batch BJ41208 - EPA 7473 water											
Blank (BJ41208-BLK1)										Prepared: 10/23/2014 Analyzed: 10/24/2014	
Mercury	ND	0.00020	mg/L								
Mercury - Dissolved	ND	0.00020	"								
Reference (BJ41208-SRM1)										Prepared: 10/23/2014 Analyzed: 10/24/2014	
Mercury	0.00212		mg/kg	0.00230		92.3		61.3-135			
Mercury - Dissolved	0.0021235		mg/L	0.00230		92.3		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 BJ41275 - Analysis Preparation											
Blank (BJ41275-BLK1)										Prepared & Analyzed: 10/24/2014	
Chromium, Hexavalent - Dissolved	ND	0.0100	mg/L								
Chromium, Hexavalent	ND	0.0100	"								
LCS (BJ41275-BS1)										Prepared & Analyzed: 10/24/2014	
Chromium, Hexavalent - Dissolved	0.456	0.0100	mg/L	0.500		91.2	80-120				
Chromium, Hexavalent	0.456	0.0100	"	0.500		91.2	80-120				
Duplicate (BJ41275-DUP1)										Prepared & Analyzed: 10/24/2014	
*Source sample: 14J0877-03 (MW-3-20141020)											
Chromium, Hexavalent	ND	0.0100	mg/L		ND						20
Chromium, Hexavalent - Dissolved	ND	0.0100	"		ND						20
Matrix Spike (BJ41275-MS1)										Prepared & Analyzed: 10/24/2014	
*Source sample: 14J0877-03 (MW-3-20141020)											
Chromium, Hexavalent - Dissolved	0.468	0.0100	mg/L	0.500	ND	93.6	75-125				
Chromium, Hexavalent	0.468	0.0100	"	0.500	ND	93.6	75-125				



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
14J0877-01	MW-1-20141020	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14J0877-02	MW-2-20141020	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14J0877-03	MW-3-20141020	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14J0877-04	TB-1-20141020	40mL 01_Clear Vial Cool to 4° C



Notes and Definitions

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.
<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.



YORK ANALYTICAL LABORATORIES
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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.

see email Page 1 of 1
by Rich and Chris Brown
York Project No. 14J0877

YOUR Information		Report To:		Invoice To:		YOUR Project ID		Turn-Around Time		Report Type	
Company: <u>RVEs</u>		Company: " "		Company: " "		<u>500944</u>		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"/>		Summary Report <input checked="" type="checkbox"/> Summary w/ QA Summary <input type="checkbox"/> CT RCP Package <input type="checkbox"/> CTRCP DQA/DUE Pkg <input type="checkbox"/> NY ASP A Package <input type="checkbox"/> NY ASP B Package <input type="checkbox"/> NJDEP Red. Deliv. <input type="checkbox"/>	
Address: <u>45 Springside Ave</u> <u>Poughkeepsie, NY</u>		Address: " "		Address: " "		Purchase Order No.		Standard(5-7 Days) <input checked="" type="checkbox"/>		Electronic Data Deliverables (EDD)	
Phone No: <u>845-454-2544</u>		Phone No: " "		Phone No: " "		Samples from: CT <input type="checkbox"/> NY <input checked="" type="checkbox"/> NJ <input type="checkbox"/>				Simple Excel <input type="checkbox"/> NYSDEC EQuIS <input checked="" type="checkbox"/> EQuIS (std) <input type="checkbox"/> EZ-EDD (EQuIS) <input type="checkbox"/> NJDEP SRP HazSite EDD <input type="checkbox"/> GIS/KEY (std) <input type="checkbox"/> Other <input type="checkbox"/> York Regulatory Comparison <input type="checkbox"/> Excel Spreadsheet <input type="checkbox"/> Compare to the following Regs. (please fill in):	
Contact Person: <u>Conor Tarbell</u>		Attention: " "		Attention: " "		E-Mail Address:					
E-Mail Address: <u>ctarbetta@preskillor.com</u>		E-Mail Address: " "		E-Mail Address: " "							

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.

Conor Tarbell
Samples Collected/Authorized By (Signature)
Conor Tarbell
Name (printed)

Matrix Codes	Volatiles	Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists	Misc.
S - soil	*8260 full TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.	Corrosivity
Other - specify(oil, etc.)	624 Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics	Reactivity
WW - wastewater	STARS list Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL MetCN	Ignitability
GW - groundwater	BTEX Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP	Flash Point
DW - drinking water	MTBE Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX	Sieve Anal.
Air-A - ambient air	TCL list Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part 360-Routine	Heterotrophs
Air-SV - soil vapor	TAGM list TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part 360-Baseline	TOX
	CT RCP list 524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part 360-Appendix No. Unsettled Phase	BTU/lb.
	Arom. only 502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part 360-Appendix Full List	Aquatic Tox.
	Halog. only NJDEP list	App. IX	Chlordane	Indiv. Metals	Air TICs	NYCDEP Sewer	TOC
	App. IX list SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer	Asbestos
	8021B list	SPLP or TCLP	608 PCB	Helium	TAGM	Silica	

Sample Identification	Date/Time Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
<u>MW-1-20141020</u>	<u>10/20/14</u> ^{12:10} 10:20	<u>GW</u>	<u>Part 325: VOCs, SVOCs, Metals (Filtered & unfiltered) PCBs/Pest</u>	<u>(3) 1 liters, (3) fogs (2) HDGs</u>
<u>MW-2-20141020</u>	<u>12:10</u>	↓	↓ ↓ ↓ ↓ ↓ ↓ ↓	
<u>MW-3-20141020</u>	<u>1:15</u>	↓		
<u>TB-1-20141020</u>		<u>Wwaler</u>		<u>2 vda trip blank</u>

Comments	Preservation	4°C	Frozen	HCl	MeOH	HNO ₃	H ₂ SO ₄	NaOH	Temperature on Receipt <u>42</u>
	Check those Applicable			ZnAc	Ascorbic Acid	Other			
	Special Instructions	<u>Conor Tarbell</u>		<u>10/21/14</u>	<u>100</u>	<u>Chris</u>	<u>10-21-14</u>	<u>10:00</u>	
	Field Filtered <input type="checkbox"/>	Samples Relinquished By	Date/Time	Samples Received By	Date/Time				
Lab to Filter <input type="checkbox"/>	Samples Relinquished By	Date/Time	Samples Received in LAB by	Date/Time					