666 GREENE AVENUE

BROOKLYN, NEW YORK

Remedial Investigation Report

NYC VCP Site Number: 16CVCP084K

Prepared for:

Van Buren Greene, LLC

16 Court Street, Suite 800

Brooklyn, New York 11241

718-855-5620

Prepared by:

Ecosystems Strategies, Inc.

24 Davis Avenue

Poughkeepsie, New York 12603

845-452-1658

June 2016

REMEDIAL INVESTIGATION REPORT

TABLE OF CONTENTS

FIGURES 3
LIST OF ACRONYMS 6
CERTIFICATION 7
EXECUTIVE SUMMARY 8
REMEDIAL INVESTIGATION REPORT 12
1.0 SITE BACKGROUND 12
1.1 Site Location and Current Usage 12
1.2 Proposed Redevelopment Plan 12
1.3 Description of Surrounding Property 13
2.0 SITE HISTORY 14
2.1 Past Uses and Ownership 14
2.2 Previous Investigations 14
2.3 SITE INSPECTION 15
2.4 Areas of Concern 15
3.0 PROJECT MANAGEMENT 16
3.1 Project Organization 16
3.2 Health and Safety 16
3.3 Materials Management 16
4.0 REMEDIAL INVESTIGATION ACTIVITIES 17
4.1 Geophysical Investigation 17
4.2 Borings and Monitoring Wells 17
4.3 Sample Collection and Chemical Analysis 19
5.0 ENVIRONMENTAL EVALUATION 22
5.1 Geological and Hydrogeological Conditions 22
5.2 Soil Chemistry 22
5.3 Groundwater Chemistry 23
5.4 Soil Vapor Chemistry 23
5.5 Prior Activity 24
5.6 Impediments to Remedial Action 24

FIGURES

1. Site Location Map
2. Selected Site Features Map
3. Proposed Development Plans
4. Fieldwork Map
5. Exceedances in Soil and Soil Vapor Map

TABLES

1. Property Ownership Information – Page 14 in text
2. Summary of Chemical Analysis – Page 21 in text
3. VOCs in Soil
4. SVOCs in Soil
5. Pesticides and PCBs in Soil
6. TAL Metals in Soil
7. VOCs in Soil Vapor

APPENDICES

A. Impact Environmental Phase I Environmental Site Assessment

B. Impact Environmental Phase II Environmental Site Assessment

C. Soil Boring Logs

D. Laboratory Data Deliverables for Soil and Soil Vapor Analytical Data

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, Paul H. Ciminello, 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 666 Greene Avenue Site (NYC VCP Site No. 16CVCP084K). 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.

Paul H. Ciminello 6/15/16

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 666 Greene Avenue in the Bedford-Stuyvesant section in Brooklyn, New York and is identified as Block 1801 and Lot 8 on the New York City Tax Map. Figure 1 shows the Site location. The Site is 1,800-square feet and is bounded by Greene Avenue to the north, a 4-story multi-family residential structure to the south, a 4-story multi-family residential structure to the east, and Throop Avenue to the west. A map of the site boundary is shown in Figure 2. Currently, the Site is vacant and contains unmaintained land.

Summary of Proposed Redevelopment Plan

The proposed future use of the Site will consist of a 4-story multi-family residential structure. The proposed development project consists of constructing a new 4-story, multi-family residential building with a crawlspace basement. The building will contain two residential units occupying all aboveground floors. The footprint of the building will cover approximately 744 square feet and occupy approximately 41% of the Site. The remainder of the Site will consist of: a 270 square foot (15% of the entire lot) concrete patio area, and approximately 770 square feet (44 % of the entire lot) of grass yards. The gross building square footage is 2,967 square feet with 2,232 square feet for residential use.

Excavation for construction of the crawlspace basement level is estimated to extend approximately 4 feet below surface grade (bsg) and covers the entire footprint of the building. Approximately 110 cubic yards of soils is expected to be removed from the basement excavation. This lowest depth of excavation at the Site will not extend below the water table, which is expected to be at least 50 feet bsg.

Layout of the proposed site development is presented in Figure 3. The current zoning designation is R6B for residential use. The proposed use is consistent with existing zoning for the property.

Summary of Past Uses of Site and Areas of Concern

Based on a review of a Phase I Environmental Site Assessment (Phase I ESA) conducted by Impact Environmental (Impact) in January 2007, and available online New York City Assessor's Office records, the following Site history was established. The Site was historically developed with residential structures from as early as 1888 until sometime between 1932 and 1951 when the Site was converted for use as an automotive repair shop. The Site has been vacant since circa 1998-1999.

The AOCs identified for this site include:

1. Known presence of poor quality urban fill materials with elevated SVOCs and metals
2. Potential impacts from a historical on-site automotive repair shop

Summary of the Work Performed under the Remedial Investigation

The following work was performed as part of a Phase II ESA by Impact in April 2009 and the Remedial Investigation (RI) by ESI in May 2016:

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. In 2009, installed four soil borings across the entire project Site and collected ten soil samples and in 2016, installed two soil borings and collected four soil samples for chemical analysis from the soil borings to evaluate soil quality;
3. Due to the depth of groundwater, no groundwater wells were installed during the 2016 RI; and,
4. In 2016, installed three soil vapor probes at the Site and collected three samples for chemical analysis.

Summary of Environmental Findings

1. Elevation of the property is approximately 55 feet.
2. Depth to groundwater at the Site is not known but is expected to be at least 50 feet bsg.
3. Groundwater flow beneath the Site is not known but is likely to be in an overall southerly direction, towards Jamaica Bay.

4. Bedrock was not encountered to a maximum depth of 8 feet during the RI and was not encountered to a maximum depth of 40 feet during the previous Phase II ESA.

5. The stratigraphy of the site, from the surface down, consists of up to 8 feet of urban fill materials (variable texture silty sands with brick, glass, concrete, masonry, and rock inclusions) underlain by clays and sands to a maximum depth of 40 feet.

6. Soil/fill samples collected during the 2009 Phase II and 2016 RI were compared to NYSDEC Unrestricted Use Soil Cleanup Objectives and Restricted Residential Soil Cleanup Objectives (SCOs) as presented in 6NYCRR Part 375-6.8 and CP51. Soil/fill samples collected showed trace concentrations of volatile organic compounds (VOCs), but none detected above Unrestricted Use SCOs. Several semi-volatile organic compounds (SVOCs) consisting of the Polycyclic Aromatic Hydrocarbons (PAH) benzo(a)anthracene (max of 1.912 ppm), benzo(a)pyrene (max of 1.701 ppm), benzo(b)fluoranthene (max of 1.439 ppm), dibenzo(a,h)anthracene (max of 0.37 ppm), and indeno(1,2,3-cd)pyrene (max of 0.674 ppm) were detected above Restricted Residential Use SCOs in two shallow samples. Three pesticides including 4,4'-DDD (0.0153 ppm); 4,4'-DDT (max of 0.0793 ppm) and dieldrin (max of 0.0077 ppm) were detected exceeding Unrestricted Use SCOs in shallow soil samples. PCB-1260 was detected at 0.13 ppm in one shallow sample, above its Unrestricted Use SCO. Several metals were detected above Unrestricted Use SCOs throughout the site with arsenic (max of 24.6 ppm), lead (max of 801 ppm), and mercury (max of 4.43 ppm) exceeding Restricted Residential SCOs in a deeper hotspot at SB-1 (2009 location).

7. Soil vapor samples collected during the 2016 RI were compared to compounds listed in Table 3.1 Air Guideline Values Derived by the NYSDOH located in the New York State Department of Health Final Guidance for Evaluating Soil Vapor Intrusion dated October 2006. Soil vapor samples showed low levels of petroleum related and chlorinated VOCs. The max total concentration of petroleum-related VOCs (BTEX) was 20.8 $\mu g/m^3$. Highest concentrations were detected for 2-Butanone at 350 $\mu g/m^3$. Chlorinated VOCs tetrachloroethylene (PCE); 1,1,1-trichloroethane, carbon tetrachloride and trichloroethene (TCE) were not detected in any of the soil vapor samples.

8. Due to a groundwater depth of more than 40 feet, groundwater sampling was deferred to soil and soil vapor sampling. Based upon results of soil and soil vapor sampling, groundwater investigation is waived.

REMEDIAL INVESTIGATION REPORT

1.0 SITE BACKGROUND

Van Buren Greene, LLC has applied to enroll in the New York City Voluntary Cleanup Program (NYC VCP) to investigate and remediate a 0.04-acre (1,800 square foot) site located at 666 Greene Avenue in the Bedford-Stuyvesant section of Brooklyn, New York. Residential use is proposed for the property. The RI work was performed on May 10, 2016. 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 666 Greene Avenue in the Bedford-Stuyvesant section in Brooklyn, New York and is identified as Block 1801 and Lot 8 on the New York City Tax Map. Figure 1 shows the Site location. The Site is 1,800-square feet and is bounded by Greene Avenue to the north, a 4-story multi-family residential structure to the south, a 4-story multi-family residential structure to the east, and Throop Avenue to the west. A map of the site boundary is shown in Figure 2. Currently, the Site is vacant and contains unmaintained land.

1.2 Proposed Redevelopment Plan

The proposed future use of the Site will consist of a 4-story multi-family residential structure. The proposed development project consists of constructing a new 4-story, multi-family residential building with a crawlspace basement. The building will contain two residential units occupying all aboveground floors. The footprint of the building will cover approximately 744 square feet and occupy approximately 41% of the Site. The remainder of the Site will consist of: a 270 square foot (15% of the entire lot) concrete patio area, and approximately 770 square feet (44 % of the entire lot) of grass yards. The gross building square footage is 2,967 square feet with 2,232 square feet for residential use.

Excavation for construction of the crawlspace basement level is estimated to extend approximately 4 feet bsg and covers the entire footprint of the building. Approximately 110 cubic yards of soils are expected to be removed from the basement excavation. This lowest depth of

excavation at the Site will not extend below the water table, which is expected to be at least 50 feet bsg.

Layout of the proposed site development is presented in Figure 3. The current zoning designation is R6B for residential use. The proposed use is consistent with existing zoning for the property.

1.3 Description of Surrounding Property

Adjoining properties to the north, east, and south contain multi-family residential structures. The adjoining structure to the west contains a mixed-use residential and commercial building with a grocery store on the first floor. The surrounding neighborhood consists primarily of residential and/or mixed-use residential and commercial structures. A day care facility, the "Glorious & Gifted Early Childhood Learning Center", is located approximately 250 feet to the south of the Site. No other sensitive receptors such as schools, hospitals, or daycare facilities were identified within a 500-foot radius of the Site.

Figure 2 shows the surrounding land usage.

2.0 SITE HISTORY

2.1 Past Uses and Ownership

Based on a review of a Phase I Environmental Site Assessment (Phase I ESA) conducted by Impact Environmental (Impact) in January 2007, and available online New York City Assessor's Office records, the following Site history was established. The Site was historically developed with residential structures from as early as 1888 until sometime between 1932 and 1951 when the Site was converted for use as an automotive repair shop. The Site has been vacant since circa 1998-1999.

Parcel ID	Owner	Date of Conveyance
Block 1801 Lot 8	Neighborhood Restore Housing Development Fund	6/1/2006
	Hanks, Wayne	9/20/1997
	Porfert, Christopher	9/9/1997
	Benjamin, Alfred	1/16/1985
	Benjamin, Elijah	7/30/1981
	403 Throop Avenue Corp	N/A

A copy of the Impact Phase I ESA is provided in Appendix A.

2.2 Previous Investigations

The Impact Phase I ESA identified the historical on-site automotive repair shop as a potential source of contamination. A subsequent Phase II ESA, performed by Impact in April 2009, consisted of the extension of six soil borings and the completion of a ground penetrating radar (GPR) survey to investigate potential impacts from the former automotive repair shop and from potential poor quality urban fill materials and/or demolition debris at the Site. The GPR survey documented an absence of any subgrade anomalies and soil borings indicated an absence of any significant impacts from the former automotive repair shop. Field observations and laboratory data indicated the presence of urban fill materials at the Site with elevated concentrations of SVOCs and metals.

A copy of the Impact Phase II ESA is provided in Appendix B.

2.3 SITE INSPECTION

A physical inspection of the Site was conducted, under the direction of the Qualified Environmental Professional (QEP) certifying this report, on May 10, 2016 during field activities for the current remedial investigation. Apparent building debris and garbage were observed on the ground surface throughout the property, suggesting the presence of poor quality urban fill materials and potential buried debris. No other evidence of contamination was noted during the site inspections.

2.4 Areas of Concern

The AOCs identified for this site include:

1. Known presence of poor quality urban fill materials with elevated SVOCs and metals
2. Potential impacts from a historical on-site automotive repair shop

Copies of the Impact Phase I and Phase II ESAs are presented in Appendix A. A map showing areas of concern is presented in Figure 4.

3.0 PROJECT MANAGEMENT

3.1 Project Organization

The Qualified Environmental Profession (QEP) responsible for preparation of this RIR is Paul H. Ciminello.

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, and an OER approved Work Plan.

4.0 REMEDIAL INVESTIGATION ACTIVITIES

The following work was performed as part of the Phase II ESA by Impact in April 2009 and the RI by ESI in May 2016

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. In 2009, installed four soil borings across the entire project Site and collected ten soil samples and in 2016, installed two soil borings and collected four soil samples for chemical analysis from the soil borings to evaluate soil quality;
3. Due to the depth of groundwater, no groundwater wells were installed during the 2016 RI; and
4. In 2016, installed three soil vapor probes at the Site and collected three samples for chemical analysis.

4.1 Geophysical Investigation

A Geophysical survey was not conducted at the Site during the 2016 RI. A Geophysical survey conducted during the 2009 Phase II ESA did not identify the presence of any subsurface anomalies at the Site.

4.2 Borings and Monitoring Wells

Drilling and Soil Logging

A total of eight mechanized soil borings were extended at the Site in order to evaluate surface and subsurface soil quality. Borings SB-01 and SB-02 were extended by personnel from Core Down Drilling, LLC on May 10, 2016, during the RI. Borings SB-1 through SB-6 were extended by Impact, during the 2009 Phase II ESA. All borings were extended using a track-mounted, direct push corer equipped with disposable acetate sleeves (used to prevent the cross contamination of soil samples). Soil was collected at each boring location at four- or five-foot intervals to a maximum depth of 40 feet bsg.

The following applies to soil borings extended during the 2016 RI (boring construction details and procedures for the 2009 Phase II ESA are provided in Appendix B).

A MiniRAE Lite (Model PGM 7300) photo-ionization detector (PID) was utilized by ESI personnel to screen all encountered material for the presence of any volatile organic vapors where appropriate. Prior to the initiation of fieldwork, this PID was properly calibrated to read parts per million calibration gas equivalents (ppm-cge) of isobutylene in accordance with protocols set forth by the equipment manufacturer.

An assessment of subsurface soil characteristics, including soil type, the presence of foreign materials, field indications of contamination (e.g., unusual coloration patterns, or odors), and instrument indications of contamination (i.e., PID readings) was made by ESI personnel during the extension of each soil boring. ESI personnel maintained independent field logs documenting physical characteristics, PID readings, and any field indications of contamination for all encountered material at each boring location.

Samples of soil material were collected from each of the soil borings where appropriate and notations were made regarding the sampled material's physical characteristics. A sufficient volume of material was collected at each sample location for the required analyses and for potential additional analyses. Soil samples were collected at various depths throughout the Site as per the OER approved Work Plan, field observations, and/or relative spatial separation specific to each boring location.

Boring logs were prepared by a trained field technician (and reviewed by a QEP) and are attached in Appendix C (boring logs from the 2009 Impact Phase II ESA are provided as Appendix B). A map showing the location of all soil borings from the RI and Phase II ESA is shown in Figure 4.

Groundwater Monitoring Well Construction

Groundwater was not encountered during the extension of soil borings to a maximum depth of 40 feet at the Site (the groundwater table is expected to be at least 50 feet bsg), and therefore, monitoring wells were not installed. Due to groundwater depths of more than 40 feet, groundwater sampling was deferred to soil and soil vapor sampling. Based upon results of soil and soil vapor sampling, groundwater investigation is waived.

Survey

Groundwater monitoring wells were not installed during this investigation.

Water Level Measurement

Groundwater monitoring wells were not installed during this investigation.

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 total of fourteen soil samples were collected for chemical analysis during the Phase II ESA and RI. Data on soil sample collection for chemical analyses, including dates of collection and sample depths, is reported in Tables 3 through 6. Figure 4 shows the location of samples collected in this investigation. Laboratories and analytical methods are shown below.

All soil samples collected by ESI as part of this investigation were obtained in a manner consistent with NYSDEC sample collection and decontamination protocols. All field personnel wore dedicated, disposable gloves, and all samples were placed into laboratory supplied containers. Soil samples submitted for VOC analysis were collected using laboratory-supplied volatile organic analysis (VOA) kits and dedicated disposable soil syringes. Soil samples were collected directly from the acetate sleeves.

During the RI, two soil samples (shallow and deep) were collected from each boring. Shallow samples were collected from each boring at the 0-2 foot interval and deep samples were collected from each boring at the 4-6 foot interval. The deep samples were collected from immediately below the expected maximum depth of excavation at the Site. No evidence of contamination (i.e., positive PID readings, odors, stained soils) was noted at any boring location.

All samples were analyzed for the presence of VOCs, SVOCs, pesticides/PCBs, and target analyte list (TAL) metals. All soil samples were placed in a cooler immediately after sample collection and were maintained at cold temperatures prior to transport to the laboratory. Samples

collected during the RI were transported via courier to York Analytical Laboratories, Inc., a New York State Department of Health (NYSDOH) -certified laboratory (ELAP Certification Number 10854) for chemical analyses. Appropriate chain-of-custody procedures were followed.

During the Phase II ESA, one shallow sample (0-2') was collected from each boring. At SB-1, SB-3, and SB-6, an additional sample was collected from the 10' interval and at SB-1, a third sample was collected from the 40' interval. According to the report, no staining or odors were detected at any location; however, a slightly elevated PID reading of 22.7 ppm was detected at SB-1 at 8-10 feet. Specific information regarding sampling procedures, methodology, and analysis are provided in the report in Appendix B.

Groundwater Sampling

Groundwater samples were not collected during this investigation.

Soil Vapor Sampling

Three soil vapor probes were installed and three soil vapor samples were collected for chemical analysis during the RI. Soil vapor sampling locations are shown in Figure 4. Soil vapor sample collection data is reported in Table 7. Soil vapor sampling logs are included in Appendix C. Methodologies used for soil vapor assessment conform to the *NYS DOH Final Guidance on Soil Vapor Intrusion, October 2006.*

Soil vapor samples SV-01 through SV-03 were collected from within the footprint of the proposed building. A soil boring was extended to 4 feet bsg (the approximate maximum excavation depth for the proposed structure) and an air-stone attached to ¼" Teflon tubing was lowered into the invert of the boring. The boring was then backfilled with approximately 1 foot of clean sand and then a hydrated bentonite seal to prevent the infiltration of surface air. The remainder of the hole was then filled with clean sand. A sealed enclosure was placed on the ground over each boring location and a tracer gas (helium) was introduced, in accordance with NYSDOH protocols, to serve as a quality assurance/quality control (QA/QC) device to verify the integrity of the soil vapor probe seal. Monitoring for the presence of absence of the tracer gas was performed prior to and after sampling (no significant concentrations of tracer gas were detected during the sampling event). Each soil vapor boring was purged for at least a period of five minutes, using a GilAir 3 air-sampling pump, at a rate of approximately 0.2 liters/minute. Soil-gas samples were collected into laboratory-supplied 6 liter Summa Canisters equipped with 2-hour (0.05 liter per minute) flow

controllers. The initial vacuum (inches of mercury) and start time was recorded immediately after opening each Summa Canister. After the sampling was complete, the final vacuum and stop time was recorded.

Upon sample completion, the summa canisters were properly closed, labeled and transported via courier to York Analytical Laboratories, Inc. for VOC analyses via EPA TO-15. Appropriate chain-of-custody procedures were followed.

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 Paul H. Ciminello of ESI
Chemical Analytical Laboratory	Chemical analytical laboratory used in the RI is NYS ELAP certified and was York Analytical Laboratories, Inc.
Chemical Analytical Methods	Soil analytical methods: • 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); Soil vapor analytical methods: • VOCs by TO-15 VOC parameters.

Results of Chemical Analyses

Laboratory data for soil and soil vapor are summarized in Tables 3 through 7, respectively. Laboratory data deliverables for all samples evaluated in this RIR are provided in digital form in Appendix D.

5.0 ENVIRONMENTAL EVALUATION

5.1 Geological and Hydrogeological Conditions

Stratigraphy

Subsurface materials observed in soil borings during the RI and Phase II ESA consisted of silty sands with brick, glass, concrete, masonry, and rock debris from the ground surface to depths up to 8 feet bsg. Subsurface materials underlying these soils generally consisted of silty, medium to fine sands and clays. All encountered materials during the RI appeared to be urban fill. Bedrock was not encountered in any of the soil borings. Boring logs prepared for the RI are provided in Appendix C.

Hydrogeology

Groundwater was not encountered at any soil boring location and is expected at depths greater than 50 feet bgs in the vicinity of the Site. The direction of groundwater flow is not known but is likely to be in an overall southerly direction, towards Jamaica Bay.

5.2 Soil Chemistry

Soil/fill samples collected during the 2016 RI and 2009 Phase II ESA were compared to NYSDEC Part 375-6 Unrestricted Use (Track 1; UUSCOs) and Restricted Residential Use (Track 2; RRSCOs) Soil Cleanup Objectives.

No VOCs were detected above Unrestricted Use SCOs. The following SVOCs were detected: benzo(a)anthracene (max 1.912 ppm) above RRSCOs in two samples, benzo(a)pyrene (max 1.701 ppm) above RRSCOs in one sample, benzo(b)fluoranthene (max 1.439 ppm) above RRSCOs in one sample, benzo(k)fluoranthene (max 0.81 ppm) above UUSCOs in one sample, chrysene (max 2 ppm) above UUSCOs in two samples, dibenzo(a,h)anthracene (max 0.37 ppm) above RRSCOs in one sample, and indeno(1,2,3-cd)pyrene (max 0.674 ppm) above RRSCOs in two samples. All SVOC exceedances were present in shallow sample locations SB-1 0-2' (2009 Phase II ESA) and SB-01 0-2 (2016 RI).

Three pesticides, 4,4'-DDT (max 0.0793 ppm), 4,4'-DDD (max 0.0153 ppm), and dieldrin (max 0.0077 ppm) were detected above UUSCOs in shallow samples. One PCB, Aroclor 1260 (max 0.13 ppm), was detected above UUSCOs in one shallow sample.

The following metals were detected: arsenic (max 24.8 ppm) above RRSCOs in one sample, Barium (max 394 ppm) above UUSCOs in one sample, copper (max 146 ppm) above UUSCOs in five samples, lead (max 801 ppm) above RRSCOs in two samples and above UUSCOs in six

samples, manganese (max 1,630 ppm) above UUSCOs in one sample, mercury (max 4.43 ppm) above RRSCOs in two samples and above UUSCOs in six samples, selenium (max 5.43 ppm) above UUSCOs in one sample, and zinc (max 459 ppm) above UUSCOs in five samples. All of the metal exceedances were present in shallow samples, with the exception of slight exceedance of lead in one deeper sample (SB-1 10').

Soil in shallow sampling locations is impacted by metals above RRSCOs and pesticides above UUSCOs. Shallow soils at SB-01 are impacted by SVOCs at concentrations above RRSCOs. Shallow soils at SB-01 are also impacted by PCBs above UUSCOs. Overall, soil chemistry is similar to sites with historic fill material in New York City.

Data collected during the RI and Phase II ESA is sufficient to delineate the vertical and horizontal distribution of contaminants in soil/fill at the Site. A summary table of data for chemical analyses performed on soil samples is included in Tables 3 through 6. Figure 5 shows the location and posts the values for soil/fill that exceed the 6NYCRR Part 375-6.8 Track 1 and 2 Soil Cleanup Objectives.

5.3 Groundwater Chemistry

No groundwater chemistry data is available for the Site.

5.4 Soil Vapor Chemistry

Soil vapor samples collected during the RI were compared to the compounds listed in Table 3.1 Air Guideline Values, provided in the DOH Guidance, and to revised guidelines for specific compounds provided in the *Tetrachloroethene (PERC) in Indoor and Outdoor Air September 2013 Fact Sheet* and *Trichloroethene (TCE) in Indoor and Outdoor Air August 2015 Fact Sheet*. No elevated concentrations were detected in any soil vapor sample. Low-level concentrations of several solvents and petroleum compounds were detected in all of the samples.

Figure 5 shows the location and posts the values for soil vapor samples with detected concentrations.

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 7.

5.5 Prior Activity

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

5.6 Impediments to Remedial Action

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

Figures

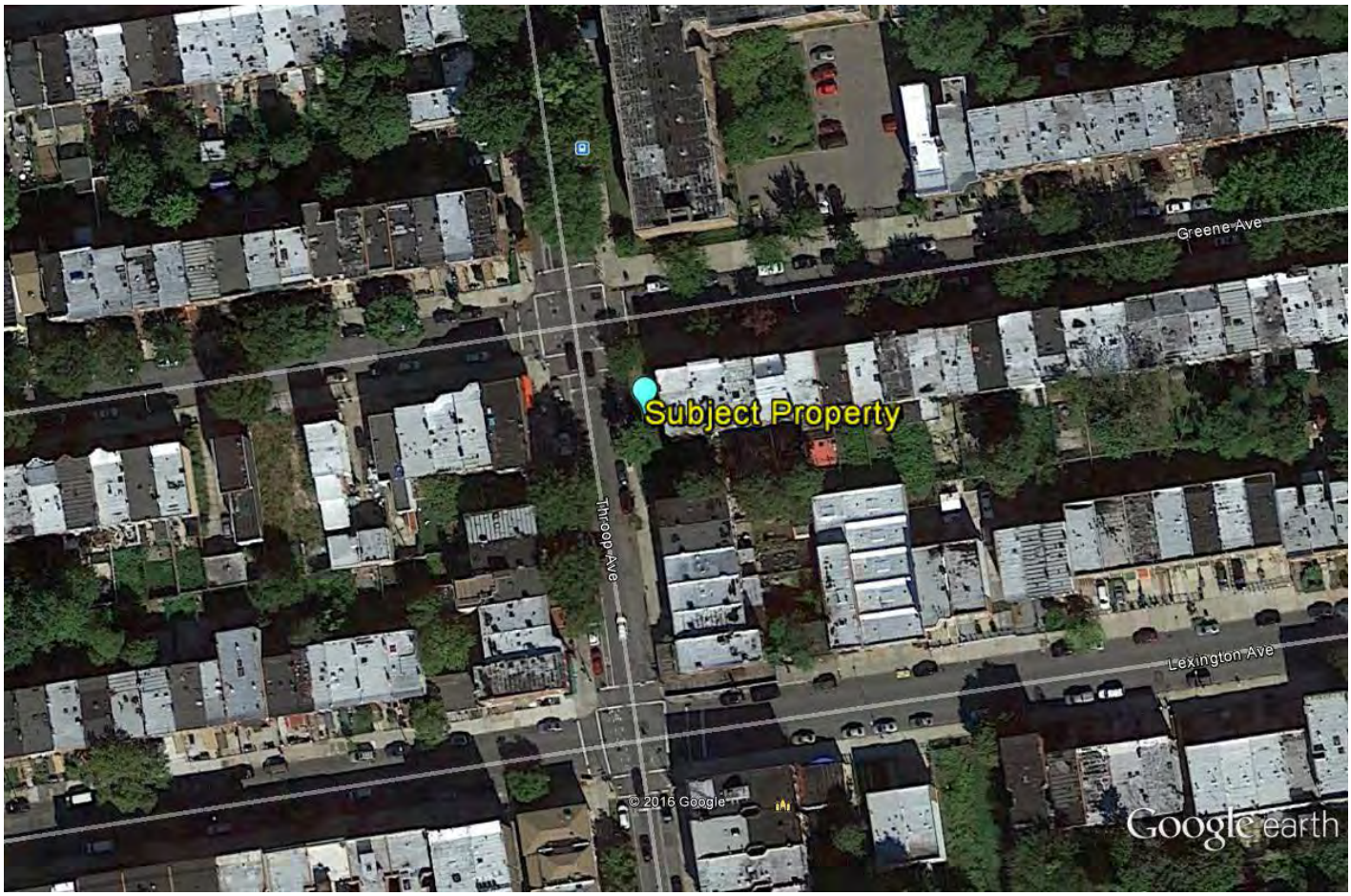
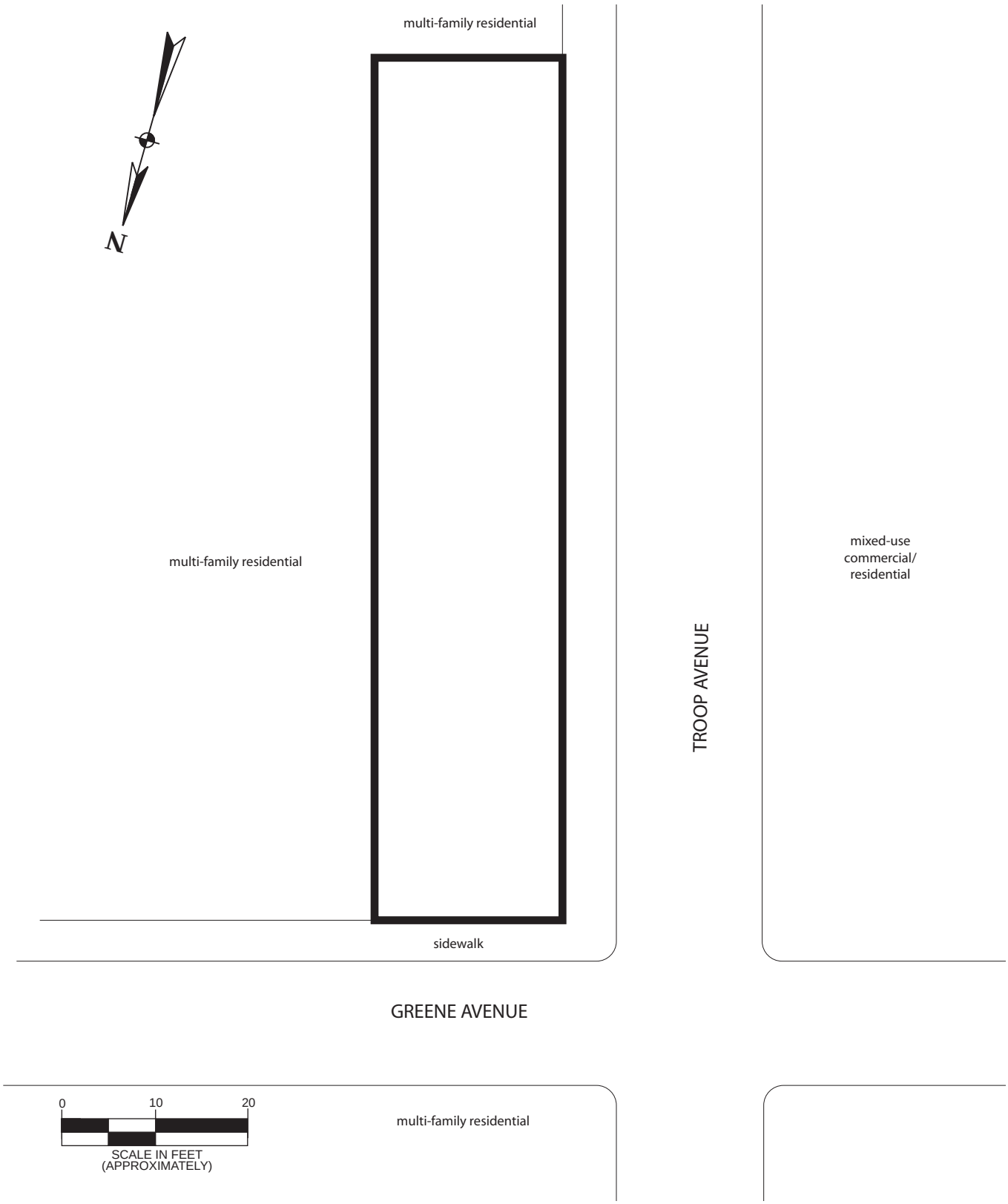


Figure 1: Site Location Map 666 Greene Avenue Borough of Brooklyn, New York	N	ESI File: EB15157B.40
		June 2016
		Figures

Ecosystems Strategies, Inc.



All feature locations are approximate. This map is intended as a schematic to be used in conjunction with the associated report, and it should not be relied upon as a survey for planning or other activities.

Figure 2: Selected Site Features Map 666 Greene Avenue Borough of Brooklyn, New York	Legend: subject property border	ESI File: EB15157B.40 June 2016 Scale as shown Figures

Figure 3 – Proposed Development Plans

SYMBOLS

- DTL TITLE / SCALE — DRAWING/DETAIL TITLE
- DTL SHT — ELEVATION
- DTL SHT — BUILDING SECTION
- DTL SHT — WALL SECTION
- DTL SHT — DETAIL SECTION
- INTERIOR ELEVATIONS
- DTL SHT — PLAN DETAIL
- PARTITION TYPE
- 1 — DOOR NUMBER
- A — WINDOW TYPE
- 3'-0" / 2'-9 1/2" — DIMENSION STRINGS
- ELEVATION LOCATION — ELEVATION INDICATOR
- REVISION CLOUD/NUMBER
- 10' — STAIR DIRECTION
- CENTER LINE
- PROPERTY LINE
- 1 HOUR RATED CONSTRUCTION
- 2 HOUR RATED CONSTRUCTION
- BUILDING ENTRY
- FLOOR DRAIN
- AD — AREA DRAIN
- SCO — SMOKE & CARBON M. DETECTOR
- S — SMOKE DETECTOR
- $ — ELECTRICAL SWITCH

MATERIALS

- EARTH
- GRAVEL/POROUS FILL
- CONCRETE
- BRICK
- STONE
- CONCRETE MASONRY UNITS
- STEEL (& GRASS IN SITE PLANS)
- BATT INSULATION
- RIGID INSULATION
- GYPSUM BOARD
- GLASS
- CERAMIC/QUARRY TILE
- ACOUSTIC TILE
- RESILIENT FLOORING

ABBREVIATIONS

NOTE: NOT ALL ABBREVIATIONS HAVE BEEN USED IN THIS SET OF DRAWINGS

ABV	ABOVE
A/C	AIR CONDITION(ER/ING/ED)
ACOUST	ACOUSTIC(AL)
ACT	ACOUSTICAL TILE
AD	AREA DRAIN
ADJ	ADJACENT
ADJT	ADJUSTABLE
AFF	ABOVE FINISH FLOOR
AFR	ABOVE FINISH ROOF
AGG	AGGREGATE
ALT	ALTERNATE
AL	ALUMINUM
AMP	ACOUSTICAL METAL PANEL
ANOD	ANODIZED
AP	ACCESS PANEL
APPROX	APPROXIMATE(LY)
ARCH	ARCHITECT(URAL)
ATTEN	ATTENUATION
AV	AUDIOVISUAL
BC	BRICK COURSE
BD	BOARD
BEL	BELOW
BET	BETWEEN
BITUM	BITUMINOUS
BLDG	BUILDING
BLK	BLOCK
BLKG	BLOCKING
BM	BEAM
BO	BOTTOM OF
BIO	BY OWNER
BOT	BOTTOM
BR	BRONZE
BRK	BRICK
BS	BOTH SIDES
BSMT	BASEMENT
CAB	CABINET(RY)
CAR	CARPET
CB	CATCH BASIN
CEM	CEMENT
CEM PL	CEMENT PLASTER
CHAM	CHAMFER
CJ	CONTROL JOINT
CL	CLOSET
CLG	CEILING
CLL	CONTRACT LIMIT LINE
CLR	CLEAR(ANCE)
CMT	CERAMIC MOSAIC TILE
CMU	CONCRETE MASONRY UNIT
CNTR	COUNTER
COL	COLUMN
COMB.	COMBUSTION
CONC	CONCRETE
COND	CONDUIT
CONST	CONSTRUCTION
CONT	CONTINUOUS
CONTR	CONTRACT(OR)
CONV	CONVECTOR
CP	CENTER POINT
CS	CAST STONE
CT	CERAMIC TILE
DA	DROPPED ARCH
DBL	DOUBLE
DEM	DEMOLISH
DEP	DEPRESSED
DF	DRINKING FOUNTAIN
DIAG	DIAGONAL
DIAM	DIAMETER
DIM	DIMENSION
DISP	DISPENSER
DIV	DIVISION
DL	DEAD LOAD
DN	DOWN
DO	DITTO
DR	DOOR
DRN	DRAIN
DTL	DETAIL
DVTL	DOVETAIL
DW	DISHWASHER
DWG	DRAWING
DWR	DRAWER
E	EAST
EA	EACH
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRICAL
ELEV	ELEVATOR
EMERG	EMERGENCY
ENCL	ENCLOS(E/URE)
ENG	ENGINEER
ENT	ENTRY
EQ	EQUAL
EQUIP	EQUIPMENT
EST	ESTIMATE(D)
EWC	ELECTRIC WATER COOLER
EXCAV	EXCAVATE(D)
EXH	EXHAUST
EXIST	EXISTING
EXP	EXPOSED
EXPAN	EXPANSION
EXT	EXTERIOR
F	FEMALE
FA	FIRE ALARM
FD	FLOOR DRAIN
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FF	FINISH FLOOR

FIN	FINISH
FIX	FIXTURE
FL	FLOOR(ING)
FLUOR	FLUORESCENT
FND	FOUNDATION
FO	FACE OF
FOC	FACE OF CONCRETE
FOF	FACE OF FINISH
FOM	FACE OF MASONRY
FOS	FACE OF STUDS
FP	FIRE PROOF/PROTECTED
FPSC	FIRE PROTECTED SELF-CLOSING
FR	FIRE RATED
FRMG	FRAMING
FRP	FIBERGLASS REINFORCED PLASTIC
FTG	FOOTING
FUR	FURRED
FURN	FURNITURE
FUT	FUTURE
GA	GAUGE
GALV	GALVANIZED
GC	GENERAL CONTRACT(OR)
GEN	GENERAL
GL	GLASS/GLAZING
GYP BD	GYPSUM BOARD
HC	HOLLOW CORE
HCF	HARDENED CONCRETE FINISH
HD	HEAVY DUTY
HDR	HEADER
HDW	HARDWARE
HDWD	HARD WOOD
HM	HOLLOW METAL
HOR	HORIZONTAL
HP	HIGH POINT
HT	HEIGHT
HTG	HEATING
HVAC	HEATING, VENTILATION, AIR CONDITIONING, COOLING
ID	INSIDE DIAMETER
INCAN	INCANDESCENT
INCL	INCLUD(E/ING)
INSUL	INSULATION
INT	INTERIOR
INV	INVERT
IPS	IRON PIPE SIZE
JC	JANITOR'S CLOSET
JT	JOINT
L	LENGTH
LAM	LAMINATE(D)
LAV	LAVATORY
LEV	LEVEL
LH	LEFT-HAND
LL	LIVE LOAD
LP	LOW POINT
LTG	LIGHTING
LTL	LINTEL
LTWT	LIGHTWEIGHT
M	MALE
MAT	MATERIAL
MAX	MAXIMUM
MBL	MARBLE
MC	MEDICINE CABINET
MCT	METAL CEILING TILE
ME	MECHANICAL EQUIPMENT
MECH	MECHANICAL
MEMB	MEMBRANE
MEZZ.	MEZZANINE
MFR	MANUFACTURE(R)
MIN	MINIMUM
MIR	MIRROR
MISC	MISCELLANEOUS
MM	METAL MESH
MO	MASONRY OPENING
MP	METAL PANELS
MTD	MOUNTED
MTL	METAL
N	NORTH
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NR	NO RATING/NOT REQUIRED
NRC	NOISE RESISTANCE COEFFICIENT
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OFF	OFFICE
OH	OVERHEAD
OPG	OPENING
OPH	OPPOSITE HAND
OPP	OPPOSITE
P	PLASTIC
PENT	PENTHOUSE
PL	PLATE
P.L.	PROPERTY LINE
PLAS	PLASTER
PLF	POUNDS PER LINEAR FOOT
PLUMB	PLUMBING
PLYWD	PLYWOOD
PNL	PANEL
PNT	PAINT(ED)

PREFAB	PREFABRICATED
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	POINT
PTN	PARTITION
PVC	POLYVINYL CHLORIDE
PVMT	PAVEMENT
QT	QUARRY TILE
R	RIGHT
RAD	RADIUS
RD	ROOF DRAIN
REC	RECESSED
RECEPT	RECEPTACLE
REFL	REFLECT(ED)
REFRIG	REFRIGERAT(OR/ION)
REINF	REINFORC(ING/EMENT)
REM	REMOVE
REQ	REQUIRE(D)
REV	REVISION
RH	RIGHT HAND
RM	ROOM
RO	ROUGH OPENING
RT	RUBBER TILE
RVT	RESILIENT VINYL TILE
S	SOUTH
SA	SLEEPING AREA
SC	SOLID CORE
SCH	SCHEDULE
SD	SMOKE DETECTOR
SEC	SECTION
SF	SQUARE FEET
SH	SHELF/VES)
SHT	SHEET
SHTH	SHEATHING
SHW	SHOWER
SIM	SIMILAR
SLD	SOLDIER
SPEC	SPECIFICATION
SPH	SPRINKLER HEAD
SPRINK.	SPRINKLER
SQ	SQUARE
S/S	STAINLESS STEEL
STC	SOUND TRANSMISSION CLASS
STD	STANDARD
STL	STEEL
STOR	STORAGE
STRUC	STRUCTURAL
SUPP	SUPPORT
SURF	SURFACE
SUSP	SUSPENDED
SVC	SERVICE
SYN	SYNTHETIC
SYS	SYSTEM
T	TREAD
T&B	TOP AND BOTTOM
TC	TERRA COTTA
TEL	TELEPHONE
TER	TERRAZZO
T&G	TONGUE AND GROOVE
THK	THICK(NESS)
TO	TOP OF
TOIL	TOILET
TOL	TOLERANCE
TOS	TOP OF SLAB
TO STL	TOP OF STEEL
TOW	TOP OF WALL
TYP	TYPICAL
UNF	UNFINISHED
UON	UNLESS OTHERWISE NOTED
V	VINYL
VARN	VARNISH
VB	VAPOR BARRIER
VERT	VERTICAL
VEST	VESTIBULE
VNR	VENEER
VT	VINYL TILE
VTR	VENT THROUGH ROOF
VWC	VINYL WALL COVERING
W	WEST
W/	WITH
WC	WATER CLOSET
WD	WOOD
WF	WIDE FLANGE
WI	WIDE(TH)
WIN	WINDOW
W/O	WITHOUT
WP	WATERPROOF(ING)
WR	WATER RESISTANT/REPELLENT
WT	WEIGHT
WTW	WALL TO WALL
WWF	WELDED WIRE FABRIC
WWM	WOVEN WIRE MESH
&	AND
∟ ∠	ANGLE
@	AT
Ø	DIAMETER
'	FEET
"	INCHES
#	NUMBER
/	PER
♿	HANDICAPPED ACCESSIBLE

PROPOSED APARTMENT DISTRIBUTION

	1ST FLOOR	2ND FLOOR	3RD FLOOR	4TH FLOOR	TOTAL
4 BR	.1	.3	.3	.3	1
3 BR	0	0	0	0	0
2 BR	0	0	0	0	0
1 BR	0	0	0	0	0
0 BR	1	0	0	0	1
TOTAL RESIDENTIAL					2
TOTAL COMMERCIAL	0	0	0	0	0

DRAWING LIST

ARCHITECTURAL

G-001.00 COVER SHEET
G-002.00 GENERAL NOTES
G-010.00 BUILDING CODE ANALYSIS I
G-011.00 BUILDING CODE ANALYSIS II
G-012.00 BUILDING CODE ANALYSIS III
G-013.00 BUILDING CODE ANALYSIS IV
Z-001.00 ZONING DATA
V-001.00 SURVEY

B-001.00 BORING LOG

~~A-001.00 SITE PLAN & PHOTOS~~
~~A-002.00 AREA MAP~~
A-100.00 1ST & 2ND FLOOR PLAN
A-101.00 3RD THROUGH ROOF FLOOR PLAN
A-110.00 1ST THROUGH 4TH FLOOR REFLECTED CEILING PLAN
A-111.00 BULKHEAD REFLECTED CEILING PLAN & LIGHT FIXTURE SCHEDULE

A-200.00 FRONT & REAR ELEVATIONS
A-201.00 SIDE ELEVATION
A-210.00 BUILDING SECTIONS
A-230.00 KITCHEN PLANS & ELEVATIONS
A-231.00 BATHROOM PLANS & ELEVATIONS
A-232.00 BATHROOM PLANS & ELEVATIONS
A-240.00 TYPICAL CABINET & CLOSET DETAILS

A-300.00 EXTERIOR WALL SECTIONS
A-301.00 EXTERIOR DETAILS
A-302.00 CAST STONE DETAILS
A-310.00 TYPICAL ROOF DETAILS
A-320.00 TYPICAL SITE DETAILS
A-340.00 WINDOW & DOOR TYPES, SCHEDULES & GUARD DTLS
A-341.00 WINDOW DETAILS
A-342.00 DOOR DETAILS

A-400.00 STAIR PLANS, SECTION & DTLS

A-600.00 PARTITION TYPES
A-620.00 FINISH SCHEDULE, CEILING & FLOOR DETAILS

STRUCTURAL

S-100.00 FOUNDATION PLAN, 1ST FLOOR FRAMING PLAN, AND 2ND FLOOR FRAMING PLAN
S-101.00 3RD & 4TH FLOOR & ROOF FRAMING PLAN
S-200.00 NOTES & DETAILS

MECHANICAL

M-101.00 CELLAR & FIRST FLOOR PLANS
M-201.00 SECOND & THIRD FLOOR PLANS
M-301.00 ROOF PLAN
M-401.00 SCHEDULE, LEGEND NOTES, RISER DIAGRAM & DETAILS

PLUMBING

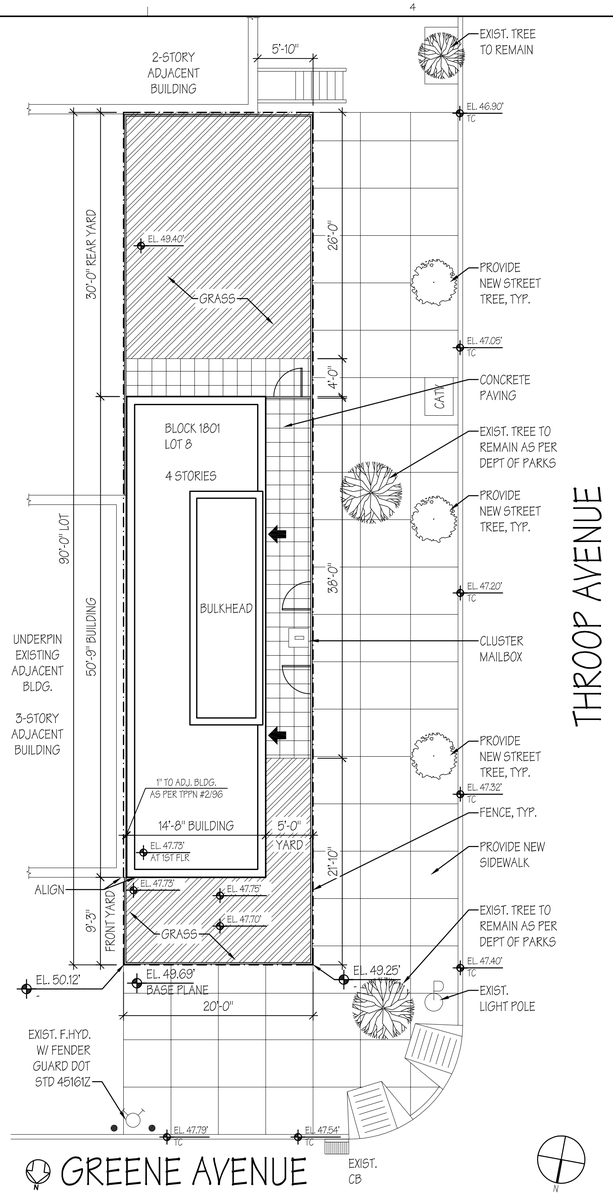
P-101.00 CELLAR & FIRST FLOOR PLANS
P-201.00 SECOND & THIRD FLOOR PLANS
P-301.00 ROOF PLAN
P-401.00 RISER DIAGRAM & DETAILS

SPRINKLER

SP-101.00 CELLAR, 1ST & 2ND FLOOR PLANS
SP-201.00 3RD FLOOR PLAN & SITE PLAN
SP-301.00 LEGEND, RISER DIAGRAM, DETAILS, NOTES
SP-401.00 HYDRAULIC CALCULATIONS

ELECTRICAL

~~E-101.00 CELLAR, 1ST & 2ND FLOOR PLANS~~
~~E-201.00 3RD FLOOR & ROOF PLANS~~
~~E-301.00 DETAILS, RISERS & SCHEDULES~~



C1 G-001 SITE & PLOT PLAN 1/8" = 1'-0"

ZONING INFORMATION

ADDRESS:	666 GREENE AVE, BROOKLYN, NY
BLOCK:	1801
LOT(S):	8
LOT AREA:	1800 SF
ZONING DISTRICT:	R6B
ZONING MAP:	17 A
CONSTRUCTION CLASSIFICATION:	III-A
OCCUPANCY GROUP:	R3

VAN BUREN GREENE, LLC
BROOKLYN, NEW YORK 11206

Owner / Developer
ELH Mgmt. LLC
16 Court Street, Suite 800
Brooklyn, NY 11241
718-855-5620

Architect
Curtis + Ginsberg Architects LLP
299 Broadway, Suite 1107
New York, New York 10007
212-929-4417

Structural Engineer
Georgopolous Consulting
45-28 21 Street – 2nd Floor
Long Island City, NY 11101
718-361-9871

Mechanical, Electrical, Plumbing Engineer
Reynaldo C. Prego Consulting Engineers
39 East 20th Street
New York, NY 10003
212-777-0200

Civil Engineer
William Atlas Associates
545 Eighth Avenue
New York, NY 10018
212-279-9740

No.	Date	Revision
	XX/XX/XX	DOB RESUBMISSION
	12/15/15	BLDG SUBMISSION
	12/30/15	DOB RESUBMISSION
	06/30/15	DOB RESUBMISSION
	04/27/15	DOB RESUBMISSION
	09/03/14	DOB SUBMISSION

No.	Date	Revision

Title:
666 GREENE AVENUE COVER SHEET

REGISTERED ARCHITECT ROBERTA DARBY CURTIS 20281 STATE OF NEW YORK

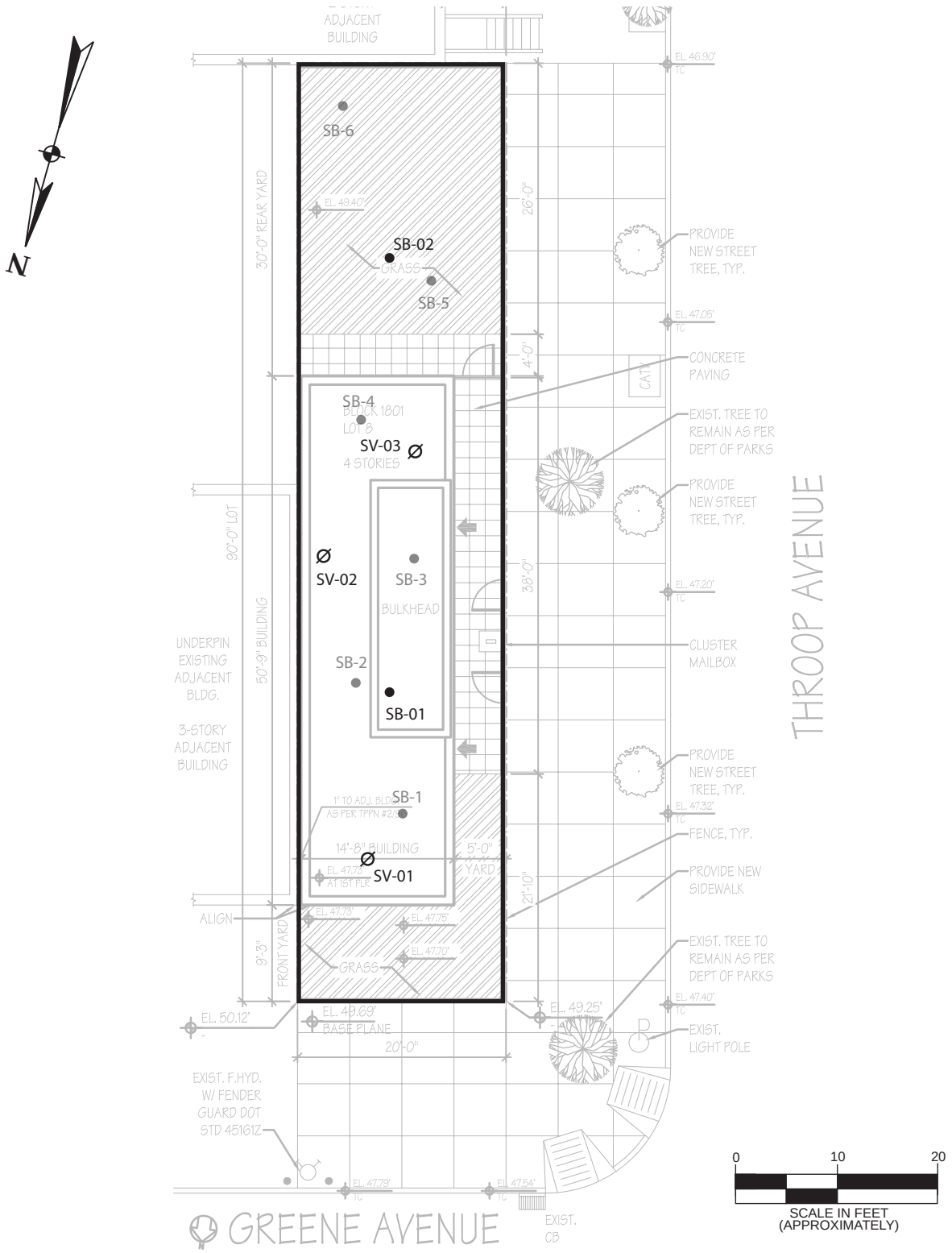
© 2015 CURTIS + GINSBERG ARCHITECTS LLP

Job No.:	0708-3
Scale:	AS NOTED
Drawn By:	LT
Checked By:	RDC

Bldg.Type Cluster Site

G-001.00

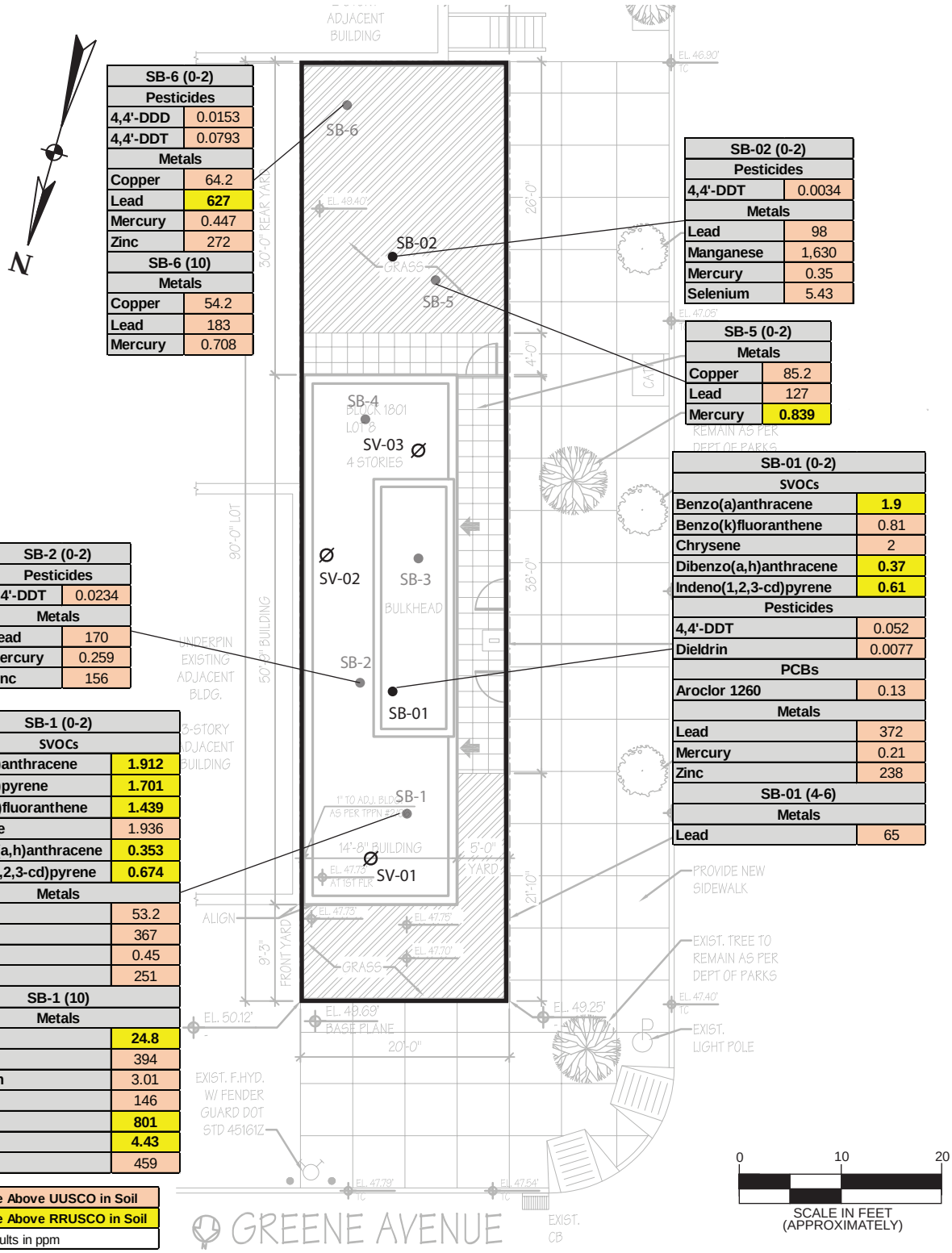
G:\DWG\0708



Base map provide by Curtis and Ginsberg Architects LLP - Site Plan dated October 28, 2015. All feature locations are approximate. This map is intended as a schematic to be used in conjunction with the associated report, and it should not be relied upon as a survey for planning or other activities.

Figure 4: Fieldwork Map 666 Greene Avenue Borough of Brooklyn, New York	Legend: subject property border soil boring locaton (2009 Impact Phase II ESA) soil boring location (2016 Remedial Investigation) soil vapor location	ESI File: EB15157B.40 June 2016 Scale as shown Figures

Ecosystems Strategies, Inc.



SB-6 (0-2)	
Pesticides	
4,4'-DDD	0.0153
4,4'-DDT	0.0793
Metals	
Copper	64.2
Lead	**627**
Mercury	0.447
Zinc	272
SB-6 (10)	
Metals	
Copper	54.2
Lead	183
Mercury	0.708

SB-02 (0-2)	
Pesticides	
4,4'-DDT	0.0034
Metals	
Lead	98
Manganese	1,630
Mercury	0.35
Selenium	5.43

SB-5 (0-2)	
Metals	
Copper	85.2
Lead	127
Mercury	**0.839**

SB-01 (0-2)	
SVOCs	
Benzo(a)anthracene	**1.9**
Benzo(k)fluoranthene	0.81
Chrysene	2
Dibenzo(a,h)anthracene	**0.37**
Indeno(1,2,3-cd)pyrene	**0.61**
Pesticides	
4,4'-DDT	0.052
Dieldrin	0.0077
PCBs	
Aroclor 1260	0.13
Metals	
Lead	372
Mercury	0.21
Zinc	238
SB-01 (4-6)	
Metals	
Lead	65

SB-2 (0-2)	
Pesticides	
4,4'-DDT	0.0234
Metals	
Lead	170
Mercury	0.259
Zinc	156

SB-1 (0-2)	
SVOCs	
Benzo(a)anthracene	**1.912**
Benzo(a)pyrene	**1.701**
Benzo(b)fluoranthene	**1.439**
Chrysene	1.936
Dibenzo(a,h)anthracene	**0.353**
Indeno(1,2,3-cd)pyrene	**0.674**
Metals	
Copper	53.2
Lead	367
Mercury	0.45
Zinc	251
SB-1 (10)	
Metals	
Arsenic	**24.8**
Barium	394
Cadmium	3.01
Copper	146
Lead	**801**
Mercury	**4.43**
Zinc	459

Analyte Above UUSCO in Soil
Analyte Above RRUSCO in Soil
All Results in ppm

Base map provide by Curtis and Ginsberg Architects LLP - Site Plan dated October 28, 2015. All feature locations are approximate. This map is intended as a schematic to be used in conjunction with the associated report, and it should not be relied upon as a survey for planning or other activities.

Figure 5: Exceedances in Soil Map

666 Greene Avenue
Borough of Brooklyn, New York

Legend:

- subject property border
- soil boring locaton (2009 Impact Phase II ESA)
- soil boring location (2016 Remedial Investigation)
- soil vapor location

ESI File: EB15157B.40

June 2016

Scale as shown

Figures

Tables

Table 3: VOCs in Soils

Ecosystems Strategies, Inc.

ESI File: EB15157B.40

All data in mg/Kg (ppm)		**Sample ID**	**SB-01 0-2**		**SB-01 4-6**		**SB-02 0-2**		**SB-02 4-6**	
U= Not Detected ≥ indicated value		Sample Date	(2016-05-10)		(2016-05-10)		(2016-05-10)		(2016-05-10)	
Data above SCOs shown in **Bold**		Dilution Factor	1		1		1		1	
VOCs, 8260	**UUSCO**	**RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1,1,2-Tetrachloroethane	NA	NA	0.0023	*U*	0.0021	*U*	0.0022	*U*	0.0028	*U*
1,1,1-Trichloroethane	0.68	100	0.0023	*U*	0.0021	*U*	0.0022	*U*	0.0028	*U*
1,1,2,2-Tetrachloroethane	NA	NA	0.0023	*U*	0.0021	*U*	0.0022	*U*	0.0028	*U*
1,1,2-Trichloro-1,2,2-trifluoroethane	NA	NA	0.0023	*U*	0.0021	*U*	0.0022	*U*	0.0028	*U*
1,1,2-Trichloroethane	NA	NA	0.0023	*U*	0.0021	*U*	0.0022	*U*	0.0028	*U*
1,1-Dichloroethane	0.27	26	0.0023	*U*	0.0021	*U*	0.0022	*U*	0.0028	*U*
1,1-Dichloroethylene (1,1-DCE)	0.33	100	0.0023	*U*	0.0021	*U*	0.0022	*U*	0.0028	*U*
1,2,3-Trichlorobenzene	NA	NA	0.0023	*U*	0.0021	*U*	0.0022	*U*	0.0028	*U*
1,2,3-Trichloropropane	NA	NA	0.0023	*U*	0.0021	*U*	0.0022	*U*	0.0028	*U*
1,2,4-Trichlorobenzene	NA	NA	0.0023	*U*	0.0021	*U*	0.0022	*U*	0.0028	*U*
1,2,4-Trimethylbenzene	3.6	52	0.0023	*U*	0.0021	*U*	0.0022	*U*	0.0028	*U*
1,2-Dibromo-3-chloropropane	NA	NA	0.0023	*U*	0.0021	*U*	0.0022	*U*	0.0028	*U*
1,2-Dibromoethane	NA	NA	0.0023	*U*	0.0021	*U*	0.0022	*U*	0.0028	*U*
1,2-Dichlorobenzene	1.1	100	0.0023	*U*	0.0021	*U*	0.0022	*U*	0.0028	*U*
1,2-Dichloroethane	0.2	31	0.0023	*U*	0.0021	*U*	0.0022	*U*	0.0028	*U*
1,2-Dichloropropane	NA	NA	0.0023	*U*	0.0021	*U*	0.0022	*U*	0.0028	*U*
1,3,5-Trimethylbenzene	8.4	52	0.0023	*U*	0.0021	*U*	0.0022	*U*	0.0028	*U*
1,3-Dichlorobenzene	2.4	49	0.0023	*U*	0.0021	*U*	0.0022	*U*	0.0028	*U*
1,4-Dichlorobenzene	1.8	13	0.0023	*U*	0.0021	*U*	0.0022	*U*	0.0028	*U*
1,4-Dioxane	0.1	13	0.047	*U*	0.043	*U*	0.044	*U*	0.056	*U*
2-Butanone (MEK)	0.12	100	0.0029	*J*	0.0021	*U*	0.0022	*U*	0.0028	*U*
2-Hexanone	NA	NA	0.0023	*U*	0.0021	*U*	0.0022	*U*	0.0028	*U*
4-Methyl-2-pentanone	NA	NA	0.0023	*U*	0.0021	*U*	0.0022	*U*	0.0028	*U*
Acetone	0.05	100	0.021		0.0043	*U*	0.0044	*U*	0.0074	*J*
Acrolein	NA	NA	0.0047	*U*	0.0043	*U*	0.0044	*U*	0.0056	*U*
Acrylonitrile	NA	NA	0.0023	*U*	0.0021	*U*	0.0022	*U*	0.0028	*U*
Benzene	0.06	48	0.0023	*U*	0.0021	*U*	0.0022	*U*	0.0028	*U*
Bromochloromethane	NA	NA	0.0023	*U*	0.0021	*U*	0.0022	*U*	0.0028	*U*
Bromodichloromethane	NA	NA	0.0023	*U*	0.0021	*U*	0.0022	*U*	0.0028	*U*
Bromoform	NA	NA	0.0023	*U*	0.0021	*U*	0.0022	*U*	0.0028	*U*
Bromomethane	NA	NA	0.0023	*U*	0.0021	*U*	0.0022	*U*	0.0028	*U*
Carbon disulfide	NA	NA	0.0023	*U*	0.0021	*U*	0.0022	*U*	0.0028	*U*
Carbon tetrachloride	0.76	24	0.0023	*U*	0.0021	*U*	0.0022	*U*	0.0028	*U*
Chlorobenzene	1.1	100	0.0023	*U*	0.0021	*U*	0.0022	*U*	0.0028	*U*
Chloroethane	NA	NA	0.0023	*U*	0.0021	*U*	0.0022	*U*	0.0028	*U*
Chloroform	0.37	49	0.0023	*U*	0.0021	*U*	0.0022	*U*	0.0028	*U*
Chloromethane	NA	NA	0.0023	*U*	0.0021	*U*	0.0022	*U*	0.0028	*U*
cis-1,2-Dichloroethylene (cis-DCE)	0.25	100	0.0023	*U*	0.0021	*U*	0.0022	*U*	0.0028	*U*
cis-1,3-Dichloropropylene	NA	NA	0.0023	*U*	0.0021	*U*	0.0022	*U*	0.0028	*U*
Cyclohexane	NA	NA	0.0023	*U*	0.0021	*U*	0.0022	*U*	0.0028	*U*
Dibromochloromethane	NA	NA	0.0023	*U*	0.0021	*U*	0.0022	*U*	0.0028	*U*
Dibromomethane	NA	NA	0.0023	*U*	0.0021	*U*	0.0022	*U*	0.0028	*U*
Dichlorodifluoromethane	NA	NA	0.0023	*U*	0.0021	*U*	0.0022	*U*	0.0028	*U*
Ethyl Benzene	1	41	0.0023	*U*	0.0021	*U*	0.0022	*U*	0.0028	*U*
Hexachlorobutadiene	NA	NA	0.0023	*U*	0.0021	*U*	0.0022	*U*	0.0028	*U*
Isopropylbenzene	2.3	100	0.0023	*U*	0.0021	*U*	0.0022	*U*	0.0028	*U*
Methyl acetate	NA	NA	0.0023	*U*	0.0021	*U*	0.0022	*U*	0.0028	*U*
Methyl tert-butyl ether (MTBE)	0.93	100	0.0023	*U*	0.0021	*U*	0.0022	*U*	0.0028	*U*
Methylcyclohexane	NA	NA	0.0023	*U*	0.0021	*U*	0.0022	*U*	0.0028	*U*
Methylene chloride	0.05	500	0.0047	*U*	0.0043	*U*	0.0044	*U*	0.0056	*U*
n-Butylbenzene	12	100	0.0023	*U*	0.0021	*U*	0.0022	*U*	0.0028	*U*
n-Propylbenzene	3.9	100	0.0023	*U*	0.0021	*U*	0.0022	*U*	0.0028	*U*
o-Xylene	0.26	100	0.0023	*U*	0.0021	*U*	0.0022	*U*	0.0028	*U*
p- & m- Xylenes	0.26	100	0.0047	*U*	0.0043	*U*	0.0044	*U*	0.0056	*U*
p-Isopropyltoluene	10	NA	0.0023	*U*	0.0021	*U*	0.0022	*U*	0.0028	*U*
sec-Butylbenzene	11	100	0.0023	*U*	0.0021	*U*	0.0022	*U*	0.0028	*U*
Styrene	NA	NA	0.0023	*U*	0.0021	*U*	0.0022	*U*	0.0028	*U*
tert-Butyl alcohol (TBA)	NA	NA	0.0047	*U*	0.0043	*U*	0.0044	*U*	0.0056	*U*
tert-Butylbenzene	5.9	100	0.0023	*U*	0.0021	*U*	0.0022	*U*	0.0028	*U*
Tetrachloroethylene (PCE)	1.3	19	0.0023	*U*	0.0021	*U*	0.0022	*U*	0.0028	*U*
Toluene	0.7	100	0.0023	*U*	0.0021	*U*	0.0022	*U*	0.0028	*U*
trans-1,2-Dichloroethylene (trans-DCE)	0.19	100	0.0023	*U*	0.0021	*U*	0.0022	*U*	0.0028	*U*
trans-1,3-Dichloropropylene	NA	NA	0.0023	*U*	0.0021	*U*	0.0022	*U*	0.0028	*U*
Trichloroethylene (TCE)	0.47	21	0.0023	*U*	0.0021	*U*	0.0022	*U*	0.0028	*U*
Trichlorofluoromethane	NA	NA	0.0023	*U*	0.0021	*U*	0.0022	*U*	0.0028	*U*
Vinyl chloride (VC)	0.02	0.9	0.0023	*U*	0.0021	*U*	0.0022	*U*	0.0028	*U*
Xylenes, Total	0.26	100	0.007	*U*	0.0064	*U*	0.0066	*U*	0.0085	*U*
Total VOCs	NA	NA	0.0239		0		0		0.0074	

Analyte Detected

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 4: SVOCs in Soils

Ecosystems Strategies, Inc.

ESI File: EB15157B.40

All data in mg/Kg (ppm)		**Sample ID**	**SB-01 0-2**		**SB-01 4-6**		**SB-02 0-2**		**SB-02 4-6**	
U= Not Detected ≥ indicated value		Sample Date	(2016-05-10)		(2016-05-10)		(2016-05-10)		(2016-05-10)	
Data above SCOs shown in **Bold**		Dilution Factor	5		2		2		2	
SVOCs, 8270	**UUSCO**	**RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1'-Biphenyl	NA	NA	0.084	*JD*	0.048	*U*	0.047	*U*	0.047	*U*
1,2,4,5-Tetrachlorobenzene	NA	NA	0.096	*U*	0.095	*U*	0.094	*U*	0.093	*U*
1,2,4-Trichlorobenzene	NA	NA	0.048	*U*	0.048	*U*	0.047	*U*	0.047	*U*
1,2-Dichlorobenzene	NA	NA	0.048	*U*	0.048	*U*	0.047	*U*	0.047	*U*
1,2-Diphenylhydrazine (Azobenzene)	NA	NA	0.048	*U*	0.048	*U*	0.047	*U*	0.047	*U*
1,3-Dichlorobenzene	NA	NA	0.048	*U*	0.048	*U*	0.047	*U*	0.047	*U*
1,4-Dichlorobenzene	NA	NA	0.048	*U*	0.048	*U*	0.047	*U*	0.047	*U*
2,3,4,6-Tetrachlorophenol	NA	NA	0.096	*U*	0.095	*U*	0.094	*U*	0.093	*U*
2,4,5-Trichlorophenol	NA	NA	0.048	*U*	0.048	*U*	0.047	*U*	0.047	*U*
2,4,6-Trichlorophenol	NA	NA	0.048	*U*	0.048	*U*	0.047	*U*	0.047	*U*
2,4-Dichlorophenol	NA	NA	0.048	*U*	0.048	*U*	0.047	*U*	0.047	*U*
2,4-Dimethylphenol	NA	NA	0.062	*JD*	0.048	*U*	0.047	*U*	0.047	*U*
2,4-Dinitrophenol	NA	NA	0.096	*U*	0.095	*U*	0.094	*U*	0.093	*U*
2,4-Dinitrotoluene	NA	NA	0.048	*U*	0.048	*U*	0.047	*U*	0.047	*U*
2,6-Dinitrotoluene	NA	NA	0.048	*U*	0.048	*U*	0.047	*U*	0.047	*U*
2-Chloronaphthalene	NA	NA	0.048	*U*	0.048	*U*	0.047	*U*	0.047	*U*
2-Chlorophenol	NA	NA	0.048	*U*	0.048	*U*	0.047	*U*	0.047	*U*
2-Methylnaphthalene	NA	NA	0.45	*D*	0.048	*U*	0.047	*U*	0.047	*U*
2-Methylphenol	0.33	100	0.057	*JD*	0.048	*U*	0.047	*U*	0.047	*U*
2-Nitroaniline	NA	NA	0.096	*U*	0.095	*U*	0.094	*U*	0.093	*U*
2-Nitrophenol	NA	NA	0.048	*U*	0.048	*U*	0.047	*U*	0.047	*U*
3- & 4-Methylphenols	0.33	100	0.12	*D*	0.048	*U*	0.047	*U*	0.047	*U*
3,3'-Dichlorobenzidine	NA	NA	0.048	*U*	0.048	*U*	0.047	*U*	0.047	*U*
3-Nitroaniline	NA	NA	0.096	*U*	0.095	*U*	0.094	*U*	0.093	*U*
4,6-Dinitro-2-methylphenol	NA	NA	0.096	*U*	0.095	*U*	0.094	*U*	0.093	*U*
4-Bromophenyl phenyl ether	NA	NA	0.048	*U*	0.048	*U*	0.047	*U*	0.047	*U*
4-Chloro-3-methylphenol	NA	NA	0.048	*U*	0.048	*U*	0.047	*U*	0.047	*U*
4-Chloroaniline	NA	NA	0.048	*U*	0.048	*U*	0.047	*U*	0.047	*U*
4-Chlorophenyl phenyl ether	NA	NA	0.048	*U*	0.048	*U*	0.047	*U*	0.047	*U*
4-Nitroaniline	NA	NA	0.096	*U*	0.095	*U*	0.094	*U*	0.093	*U*
4-Nitrophenol	NA	NA	0.096	*U*	0.095	*U*	0.094	*U*	0.093	*U*
Acenaphthene	20	100	0.49	*D*	0.048	*U*	0.066	*JD*	0.047	*U*
Acenaphthylene	100	100	0.048	*U*	0.048	*U*	0.047	*U*	0.047	*U*
Acetophenone	NA	NA	0.048	*U*	0.048	*U*	0.047	*U*	0.047	*U*
Aniline	NA	NA	0.19	*U*	0.19	*U*	0.19	*U*	0.19	*U*
Anthracene	100	100	0.89	*D*	0.048	*U*	0.13	*D*	0.047	*U*
Atrazine	NA	NA	0.048	*U*	0.048	*U*	0.047	*U*	0.047	*U*
Benzaldehyde	NA	NA	0.048	*U*	0.048	*U*	0.047	*U*	0.047	*U*
Benzidine	NA	NA	0.19	*U*	0.19	*U*	0.19	*U*	0.19	*U*
Benzo(a)anthracene	1	1	**1.9**	*D*	0.065	*JD*	0.31	*D*	0.047	*U*
Benzo(a)pyrene	1	1	0.72	*D*	0.048	*U*	0.28	*D*	0.047	*U*
Benzo(b)fluoranthene	1	1	0.58	*D*	0.048	*U*	0.14	*D*	0.047	*U*
Benzo(g,h,i)perylene	100	100	0.57	*D*	0.048	*U*	0.17	*D*	0.047	*U*
Benzo(k)fluoranthene	0.8	3.9	0.81	*D*	0.048	*U*	0.21	*D*	0.047	*U*
Benzoic acid	NA	NA	0.048	*U*	0.048	*U*	0.047	*U*	0.047	*U*
Benzyl alcohol	NA	NA	0.048	*U*	0.048	*U*	0.047	*U*	0.047	*U*
Benzyl butyl phthalate	NA	NA	1.48	*D*	0.048	*U*	0.71	*D*	0.047	*U*
Bis(2-chloroethoxy)methane	NA	NA	0.048	*U*	0.048	*U*	0.047	*U*	0.047	*U*
Bis(2-chloroethyl)ether	NA	NA	0.048	*U*	0.048	*U*	0.047	*U*	0.047	*U*
Bis(2-chloroisopropyl)ether	NA	NA	0.048	*U*	0.048	*U*	0.047	*U*	0.047	*U*
Bis(2-ethylhexyl)phthalate	NA	NA	1.83	*D*	0.048	*U*	0.34	*D*	0.047	*U*
Caprolactam	NA	NA	0.096	*U*	0.095	*U*	0.094	*U*	0.093	*U*
Carbazole	NA	NA	1.01	*D*	0.048	*U*	0.059	*JD*	0.047	*U*
Chrysene	1	3.9	2	*D*	0.062	*JD*	0.29	*D*	0.047	*U*
Dibenzo(a,h)anthracene	0.33	0.33	**0.37**	*D*	0.048	*U*	0.075	*JD*	0.047	*U*
Dibenzofuran	NA	NA	0.47	*D*	0.048	*U*	0.047	*U*	0.047	*U*
Diethyl phthalate	NA	NA	0.048	*U*	0.048	*U*	0.047	*U*	0.047	*U*
Dimethyl phthalate	NA	NA	0.048	*U*	0.048	*U*	0.047	*U*	0.047	*U*
Di-n-butyl phthalate	NA	NA	0.048	*U*	0.048	*U*	0.047	*U*	0.047	*U*
Di-n-octyl phthalate	NA	NA	0.048	*U*	0.048	*U*	0.047	*U*	0.047	*U*
Fluoranthene	100	100	4.68	*D*	0.14	*D*	0.65	*D*	0.047	*U*
Fluorene	30	100	0.58	*D*	0.048	*U*	0.047	*U*	0.047	*U*
Hexachlorobenzene	NA	NA	0.048	*U*	0.048	*U*	0.047	*U*	0.047	*U*
Hexachlorobutadiene	NA	NA	0.048	*U*	0.048	*U*	0.047	*U*	0.047	*U*
Hexachlorocyclopentadiene	NA	NA	0.048	*U*	0.048	*U*	0.047	*U*	0.047	*U*
Hexachloroethane	NA	NA	0.048	*U*	0.048	*U*	0.047	*U*	0.047	*U*
Indeno(1,2,3-cd)pyrene	0.5	0.5	**0.61**	*D*	0.048	*U*	0.17	*D*	0.047	*U*
Isophorone	NA	NA	0.048	*U*	0.048	*U*	0.047	*U*	0.047	*U*
Naphthalene	12	100	1.16	*D*	0.048	*U*	0.047	*U*	0.047	*U*
Nitrobenzene	NA	NA	0.048	*U*	0.048	*U*	0.047	*U*	0.047	*U*
N-Nitrosodimethylamine	NA	NA	0.048	*U*	0.048	*U*	0.047	*U*	0.047	*U*
N-nitroso-di-n-propylamine	NA	NA	0.048	*U*	0.048	*U*	0.047	*U*	0.047	*U*
N-Nitrosodiphenylamine	NA	NA	0.048	*U*	0.048	*U*	0.047	*U*	0.047	*U*
Pentachlorophenol	0.8	6.7	0.048	*U*	0.048	*U*	0.047	*U*	0.047	*U*
Phenanthrene	100	100	4.72	*D*	0.1	*D*	0.52	*D*	0.047	*U*
Phenol	0.33	100	0.048	*U*	0.048	*U*	0.047	*U*	0.047	*U*
Pyrene	100	100	4.78	*D*	0.1	*D*	0.51	*D*	0.047	*U*
Total SVOCs	NA	NA	30.423		0.467		4.63		0	

Analyte Detected
Analyte Above UUSCO
Analyte Above RRUSCO

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 5: Pesticides and PCBs in Soils

Ecosystems Strategies, Inc.

ESI File: EB15157B.40

All data in mg/Kg (ppm)		**Sample ID**	**SB-01 0-2**		**SB-01 4-6**		**SB-02 0-2**		**SB-02 4-6**	
U= Not Detected ≥ indicated value		Sample Date	(2016-05-10)		(2016-05-10)		(2016-05-10)		(2016-05-10)	
Data above SCOs shown in **Bold**		Dilution Factor	5		5		5		5	
Pesticides, 8081	**UUSCO**	**RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
4,4'-DDD	0.0033	13	0.0019	*U*	0.0019	*U*	0.0019	*U*	0.0019	*U*
4,4'-DDE	0.0033	8.9	0.0019	*U*	0.0019	*U*	0.0019	*U*	0.0019	*U*
4,4'-DDT	0.0033	7.9	0.052	*D*	0.0019	*U*	0.0034	*D*	0.0033	*D*
Aldrin	0.005	0.097	0.0019	*U*	0.0019	*U*	0.0019	*U*	0.0019	*U*
alpha-BHC	0.02	0.48	0.0019	*U*	0.0019	*U*	0.0019	*U*	0.0019	*U*
alpha-Chlordane	0.094	4.2	0.0019	*U*	0.0019	*U*	0.0019	*U*	0.0096	*D*
beta-BHC	0.036	0.36	0.0019	*U*	0.0019	*U*	0.0019	*U*	0.0019	*U*
Chlordane (total)	NA	NA	0.14	*D*	0.075	*U*	0.074	*U*	0.13	*D*
delta-BHC	0.04	100	0.0019	*U*	0.0019	*U*	0.0019	*U*	0.0019	*U*
Dieldrin	0.005	0.2	0.0077	*D*	0.0019	*U*	0.0019	*U*	0.0019	*D*
Endosulfan I	2.4	24	0.0019	*U*	0.0019	*U*	0.0019	*U*	0.0019	*U*
Endosulfan II	2.4	24	0.0019	*U*	0.0019	*U*	0.0019	*U*	0.0019	*U*
Endosulfan sulfate	2.4	24	0.0019	*U*	0.0019	*U*	0.0019	*U*	0.0019	*U*
Endrin	0.014	11	0.0019	*U*	0.0019	*U*	0.0019	*U*	0.0019	*U*
Endrin aldehyde	NA	NA	0.0019	*U*	0.0019	*U*	0.0019	*U*	0.0019	*U*
Endrin ketone	NA	NA	0.0019	*U*	0.0019	*U*	0.0019	*U*	0.0019	*U*
gamma-BHC (Lindane)	0.1	1.3	0.0019	*U*	0.0019	*U*	0.0019	*U*	0.0019	*U*
gamma-Chlordane	NA	0.54	0.0063	*D*	0.0019	*U*	0.0019	*U*	0.0057	*D*
Heptachlor	0.042	2.1	0.0019	*U*	0.0019	*U*	0.0019	*U*	0.0026	*D*
Heptachlor Epoxide	NA	0.077	0.0019	*U*	0.0019	*U*	0.0019	*U*	0.0019	*U*
Methoxychlor	NA	100	0.0095	*U*	0.0094	*U*	0.0093	*U*	0.0092	*U*
Toxaphene	NA	NA	0.096	*U*	0.095	*U*	0.094	*U*	0.094	*U*

		Sample ID	**SB-01 0-2**		**SB-01 4-6**		**SB-02 0-2**		**SB-02 4-6**	
		Sample Date	(2016-05-10)		(2016-05-10)		(2016-05-10)		(2016-05-10)	
		Dilution Factor	1		1		1		1	
PCBs, 8082	**UUSCO**	**RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
Aroclor 1016	0.1	1.00	0.019	*U*	0.019	*U*	0.019	*U*	0.019	*U*
Aroclor 1221	0.1	1.00	0.019	*U*	0.019	*U*	0.019	*U*	0.019	*U*
Aroclor 1232	0.1	1.00	0.019	*U*	0.019	*U*	0.019	*U*	0.019	*U*
Aroclor 1242	0.1	1.00	0.019	*U*	0.019	*U*	0.019	*U*	0.019	*U*
Aroclor 1248	0.1	1.00	0.019	*U*	0.019	*U*	0.019	*U*	0.019	*U*
Aroclor 1254	0.1	1.00	0.019	*U*	0.019	*U*	0.019	*U*	0.019	*U*
Aroclor 1260	0.1	1.00	0.13		0.019	*U*	0.019	*U*	0.019	*U*
Aroclor, Total	0.1	1.00	0.13		0.019	*U*	0.019	*U*	0.019	*U*

Analyte Detected

Analyte Above UUSCO

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available

Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 6: TAL Metals in Soils

Ecosystems Strategies, Inc.

ESI File: EB15157B.40

All data in mg/Kg (ppm)		**Sample ID**	**SB-01 0-2**		**SB-01 4-6**		**SB-02 0-2**		**SB-02 4-6**	
U= Not Detected ≥ indicated value		Sample Date	(2016-05-10)		(2016-05-10)		(2016-05-10)		(2016-05-10)	
Data above SCOs shown in **Bold**		Dilution Factor	1		1		1		1	
Metals, 6010 and 7473	**UUSCO**	**RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
Aluminum	NA	NA	7,900		13,400		12,000		13,500	
Antimony	NA	NA	0.58	*U*	0.57	*U*	0.56	*U*	0.56	*U*
Arsenic	13	16	4.63		3.25		4.69		4.14	
Barium	350	400	186		51.1		104		50.8	
Beryllium	7.2	72	0.24		0.42		0.43		0.41	
Cadmium	2.5	4.3	0.55		0.34	*U*	0.34	*U*	0.34	*U*
Calcium	NA	NA	47,800		1,300		9,570		3,440	
Chromium	30	180	22.4		19.3		19.2		23.2	
Cobalt	NA	NA	6.07		7.91		8.95		9	
Copper	50	270	41.6		14.3		27.9		19.7	
Iron	NA	NA	17,000		21,100		44,600	*E*	26,600	
Lead	63	400	372		65		98		13.3	
Magnesium	NA	NA	4,990		2,490		2,630		2,810	
Manganese	1,600	2,000	282		411		1,630	*E*	623	
Mercury	0.18	0.81	0.21		0.042		0.35		0.034	*U*
Nickel	30	310	14.4		20.9		16.6		19.3	
Potassium	NA	NA	900		776		990		985	
Selenium	3.9	180	1.15	*U*	2.43		5.43		3.14	
Silver	2	180	0.58	*U*	0.57	*U*	0.56	*U*	0.56	*U*
Sodium	NA	NA	329		76.9		164		130	
Thallium	NA	NA	1.15	*U*	1.14	*U*	1.13	*U*	1.12	*U*
Vanadium	NA	NA	25.2		27.9		29.9		37.1	
Zinc	109	10,000	238		30.6		76.9		39.7	

Analyte Detected

Analyte Above UUSCO

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available

Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 7: VOCs in Soil Vapor

Ecosystems Strategies, Inc.

ESI File: EB15157B.40

All data in µg/m³	**Sample ID**	**SV-01**		**SV-02**		**SV-03**	
U= Not Detected ≥ indicated value	Sample Date	(2016-05-10)		(2016-05-10)		(2016-05-10)	
Data above AGVs shown in **Bold**	Dilution Factor	24.83		16.8		2.083	
VOCs, TO-15		*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1,1,2-Tetrachloroethane		17	*U*	12	*U*	1.4	*U*
1,1,1-Trichloroethane		14	*U*	9.2	*U*	1.1	*U*
1,1,2,2-Tetrachloroethane		17	*U*	12	*U*	1.4	*U*
1,1,2-Trichloro-1,2,2-trifluoroethane		19	*U*	13	*U*	1.6	*U*
1,1,2-Trichloroethane		14	*U*	9.2	*U*	1.1	*U*
1,1-Dichloroethane		10	*U*	6.8	*U*	0.84	*U*
1,1-Dichloroethene		9.8	*U*	6.7	*U*	0.83	*U*
1,2,4-Trichlorobenzene		18	*U*	12	*U*	1.5	*U*
1,2,4-Trimethylbenzene		12	*U*	8.3	*U*	1.7	*D*
1,2-Dibromoethane		19	*U*	13	*U*	1.6	*U*
1,2-Dichlorobenzene		15	*U*	10	*U*	1.3	*U*
1,2-Dichloroethane		10	*U*	6.8	*U*	0.84	*U*
1,2-Dichloropropane		11	*U*	7.8	*U*	0.96	*U*
1,2-Dichlorotetrafluoroethane		17	*U*	12	*U*	9.2	*D*
1,3,5-Trimethylbenzene		12	*U*	8.3	*U*	1	*U*
1,3-Butadiene		16	*U*	11	*U*	1.4	*U*
1,3-Dichlorobenzene		15	*U*	10	*U*	1.3	*U*
1,3-Dichloropropane		11	*U*	7.8	*U*	0.96	*U*
1,4-Dichlorobenzene		15	*U*	10	*U*	1.3	*U*
1,4-Dioxane		18	*U*	12	*U*	1.5	*U*
2-Butanone		350	*D*	230	*D*	40	*D*
2-Hexanone		39	*D*	25	*D*	4.8	*D*
3-Chloropropene		39	*U*	26	*U*	13	*D*
4-Methyl-2-pentanone		10	*U*	6.9	*U*	2	*D*
Acetone		48	*D*	64	*D*	28	*D*
Acrylonitrile		5.4	*U*	3.6	*U*	0.45	*U*
Benzene		7.9	*U*	5.4	*U*	2.6	*D*
Benzyl chloride		13	*U*	8.7	*U*	6	*D*
Bromodichloromethane		17	*U*	11	*U*	4.7	*D*
Bromoform		26	*U*	17	*U*	2.2	*U*
Bromomethane		9.6	*U*	6.5	*U*	0.81	*U*
Carbon disulfide		7.7	*U*	5.2	*U*	0.91	*D*
Carbon tetrachloride		3.9	*U*	2.6	*U*	0.33	*U*
Chlorobenzene		11	*U*	7.7	*U*	0.96	*U*
Chloroethane		6.6	*U*	4.4	*U*	0.55	*U*
Chloroform		12	*U*	8.2	*U*	1	*U*
Chloromethane		5.1	*U*	3.5	*U*	2.9	*D*
cis-1,2-Dichloroethene		9.8	*U*	6.7	*U*	0.83	*U*
cis-1,3-Dichloropropene		11	*U*	7.6	*U*	0.95	*U*
Cyclohexane		8.5	*U*	5.8	*U*	2.7	*D*
Dibromochloromethane		21	*U*	14	*U*	1.8	*U*
Dichlorodifluoromethane		12	*U*	8.3	*U*	6.5	*D*
Ethyl Acetate		18	*U*	12	*U*	1.5	*U*
Ethylbenzene		11	*U*	7.3	*U*	1.5	*D*
Hexachlorobutadiene		26	*U*	18	*U*	2.2	*U*
Isopropanol		12	*U*	8.3	*U*	2.6	*D*
Methyl Methacrylate		10	*U*	6.9	*U*	0.85	*U*
Methyl tert butyl ether		9	*U*	6.1	*U*	0.75	*U*
Methylene chloride		17	*U*	110	*D*	12	*D*
n-Heptane		10	*U*	6.9	*U*	4.9	*D*
n-Hexane		26	*D*	79	*D*	17	*D*
o-Xylene		11	*U*	7.3	*U*	1.8	*D*
p/m-Xylene		22	*U*	15	*U*	4.9	*D*
p-Ethyltoluene		12	*U*	8.3	*U*	1.8	*D*
Propylene		34	*D*	23	*D*	9.3	*D*
Styrene		11	*U*	7.2	*U*	0.89	*U*
Tetrachloroethene		4.2	*U*	2.8	*U*	0.35	*U*
Tetrahydrofuran		15	*U*	9.9	*U*	2.2	*D*
Toluene		12	*D*	6.3	*U*	10	*D*
trans-1,2-Dichloroethene		9.8	*U*	6.7	*U*	0.83	*U*
trans-1,3-Dichloropropene		11	*U*	7.6	*U*	0.95	*U*
Trichloroethene		3.3	*U*	2.3	*U*	0.28	*U*
Trichlorofluoromethane		14	*U*	9.4	*U*	5.1	*D*
Vinyl acetate		8.7	*U*	5.9	*U*	6.6	*D*
Vinyl bromide		11	*U*	7.3	*U*	0.91	*U*
Vinyl chloride		6.3	*U*	4.3	*U*	0.53	*U*

Detected concentrations

Notes: NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank

APPENDIX A

Impact Environmental Phase I ESA

Phase I Environmental Site Assessment

January 9, 2007

conducted at:

Multiple Addresses in Bedford Stuyvesant
Brooklyn, New York
New York City Tax Map Designation: block 1814, lot 15; block 1791, lots 17-19 & 62-64; block 1801, lot 8; block 1795, lot 15; block 1789, lot 80

prepared for:

ELH Management
98 Rockwell Place
Brooklyn, New York 11217

report user:

ELH Management
98 Rockwell Place
Brooklyn, New York 11217

IE Project # 06-294

IMPACT ENVIRONMENTAL

170 KEYLAND COURT, BOHEMIA, NEW YORK 11716 | 631.269.8800 TELEPHONE | 631. 269.1599 FACSIMILE | IMPACTENVIRONMENTAL.COM

TABLE OF CONTENTS

Section	Topic	Page
1	**EXECUTIVE SUMMARY**	**3**
2	**INTRODUCTION**	**4**
2.1	Purpose	4
2.2	Limitations and Exceptions	5
2.3	Special Terms and Conditions	7
2.4	User Reliance	8
3	**SITE DESCRIPTION**	**9**
3.1	Topography	9
3.2	Subsurface Geology	10
3.3	Soil Component Identification	11
3.4	Hydrology	11
3.5	Groundwater Characteristics	14
4	**SITE VISIT**	**15**
4.1	Interior Inspection	15
4.2	Exterior Inspection	15
4.3	Surrounding Properties	16
4.4	Limited Scope Identification of Possible Lead Containing Surface Paints	16
4.5	Limited Scope Identification of Possible Friable Asbestos Containing Materials	16
4.6	Limited Scope Identification of Possible Mold	17
4.7	Radon Investigation	17
5	**REVIEW OF PROVIDED INFORMATION AND INTERVIEWS**	**18**
5.1	Owner, Property Manager, and Occupant Information	18
5.2	Title Records	18
5.3	Environmental Liens	18
5.4	Specialized Knowledge	19
5.5	Valuation Reduction for Environmental Issues	19
5.6	Corporate Records	19
5.7	Interviews	19
5.8	Interview With Local Government Officials	19
6	**RECORDS REVIEW**	**20**
6.1	Federal Environmental Record Review	20
6.1.1	National Priorities List (NPL)	21
6.1.2	CERCLIS List	21
6.1.3	Federal CERCLIS NFRAP Sites List	21
6.1.4	Federal Resource Conservation & Recovery Act (RCRA) CORRACTS Facilities List	21
6.1.5	Federal Resource Conservation & Recovery Act (RCRA) TSD Facilities List	22
6.1.6	Federal Resource Conservation & Recovery Act (RCRA) Generator List	22
6.1.7	Federal Emergency Response Notification System (ERNS)	22
6.2	State Environmental Record Review	23
6.2.1	Inactive Hazardous Waste Disposal Sites	23
6.2.2	Hazardous Substance Waste Disposal Sites	23
6.2.3	Brownfield Sites	24
6.2.4	NYSDEC Coal Tar Sites	24
6.2.5	Solid Waste Management Facilities	24
6.2.6	State Pollutant Discharge Elimination System Permits (SPDES)	25

6.2.7 Major Oil Storage Facilities (MOSF) 25
6.2.8 Chemical Bulk Storage (CBS) Sites 25
6.2.9 Petroleum Bulk Storage (PBS) Sites 25
6.2.10 Spill Logs 26
6.3 City Environmental Record Review 27
6.3.1 New York City Department of Environmental Protection 27
6.3.2 New York City Fire Department 27
6.3.3 New York City Building Department 27

7 REVIEW OF HISTORIC DATA 29
7.1 Sanborn Maps 29
7.1.1 494 Gates Avenue 29
7.1.2 716, 718, & 720 Lafayette Avenue 30
7.1.3 22 Van Buren Street 31
7.1.4 47, 49, & 51 Van Buren Street 32
7.1.5 327 Clifton Place 33
7.1.6 666 Greene Avenue 34

8 EVALUATION OF DATA AND RECOMENDATIONS 35
8.1 Data Gaps 35
8.2 Recommended Phase I ESA Activities 35
8.3 Recommended Phase II ESA Activities 36
8.4 Recommended Remedial Activities 36
8.5 Recommended Compliance Activities 36

9 CONCLUSIONS 37

10 REFERENCES 38

11 DISCLAIMER 39

Plate 1: Site Location Map

Appendix A: Site Photos
Appendix B: Interview Documentation
Appendix C: Environmental Regulatory Database Review/ Search
Appendix D: Federal Government
Appendix E: State Government
Appendix F: City Government
Appendix G: Sanborn Maps
Appendix H: Qualifications of the Environmental Professional
Appendix I: Qualifications of the Project Manager

Document Distribution

ELH Management	User	Two (2) copies
Impact Environmental Corporate Records	Preparer	One (1) copy

1 EXECUTIVE SUMMARY

Impact Environmental has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527-05 of multiple addresses in Bedford Stuyvesant, Brooklyn, New York, ("The Sites") under contract to by ELH Management ("The Client"). Any exceptions to, or deletions from, this practice are described in Section 2.2 of this report.

The Sites (494 Gates Avenue, 716, 718, & 720 Lafayette Avenue, 22, 47, 49, & 51 Van Buren Street, 327 Clifton Place, and 666 Greene Avenue) are located in Brooklyn, New York. The Sites are situated in residential areas of Bedford Stuyvesant, County of Kings (Brooklyn), New York. All of the Sites at the time of this assessment contained no permanent structures. The surface area of the Sites consists of debris, concrete sidewalks, exposed soils, and natural scrub vegetation.

The responses to the Freedom of Information requests submitted to the United States Environmental Projection Agency, the New York State Department of Environmental Conservation, the New York City Department of Environmental Protection, and the New York City Bureau of Fire Prevention have not been received to date. In addition, no historical sources of information consulted in this Phase I ESA provided land uses back to each Site's point of pre-development. Furthermore, the chain-of-title records were not provided at the time of this assessment. This absence of this information represents a data gap.

This assessment has revealed evidence of recognized environmental conditions associated with the Sites (see Recommended Phase II ESA Activities in Section 8.3). Accordingly, additional activities are recommended to define and enhance the environmental quality of the Sites. Further, the additional Recommended Phase I ESA, remedial, and compliance activities should be performed as outlined in Section 8.2, Section 8.4, and Section 8.5.

2 INTRODUCTION

2.1 Purpose

This assessment is intended, where applicable to the standard of care, to satisfy the requirements of the American Society for Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments, as published in ASTM E 1527-05. Banks, insurance companies, and prospective property purchasers require an understanding of existing and past property conditions and uses in order to assess the potential liabilities associated with a property. This assessment has been completed by a qualified environmental professional as defined in ASTM Standards.

This report is not intended to present any legal opinions. The data and all conclusions presented in this report should be verified by the Client's and User's legal counsel.

The objectives of this Environmental Site Assessment are stated as follows:

- Establish a basis of understanding of the past and present land uses of the Sites in order to identify potential environmental and/or public health risks.

- Establish a basis of understanding of the past and present surrounding land uses and environmental resources in order to determine their impact on the environmental quality of the Sites.

- Constitute an all appropriate inquiry suitable for establishing innocent landowner, contiguous property owner, or bona fide prospective purchaser (also referred to as "land owner liability protections" or "LLPs") pursuant to 42 U.S.C. § 9601 (35) (B) and the Brownfield Revitalization and Environmental Restoration Act of 2001 (Brownfield Act).

- Provide information that can be used to evaluate CERCLA liability and "good neighbor" responsibilities for contaminants migrating onto or under the Sites from contiguous properties in consideration of the Brownfield Act.

- Identify, to the extent feasible, *recognized environmental conditions* (RECs) in connection with the Sites and surrounding properties. The term r*ecognized environmental conditions* means 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. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include de minimus conditions that generally do not present a material risk of harm to public health or the environment and that

generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be de minimus are not recognized environmental conditions.

2.2 Limitations and Exceptions

This Phase I Environmental Site Assessment was conducted solely to permit Impact Environmental to render a professional opinion about the likelihood of regulated contaminants being present on, in, or beneath the Site in question at the time services were conducted. No matter how thorough a Phase I Environmental Site Assessment study may be, findings derived from its conduct are limited, and Impact Environmental cannot know or state for an absolute fact that a sites, or a portion of the sites, is unaffected by reportable quantities of regulated contaminants. Furthermore, even if Impact Environmental believes that reportable quantities of regulated contaminants are not present, there still exists a risk that such contaminants may be present or may migrate to the site after the study is complete. This assessment is dated, and is only valid for activities that occurred prior to the date of the site visit. Activities, liabilities, and alterations to the Site subsequent to the date of the site visit are not included in the assessment.

ASTM has developed a variety of prescriptive professional practice standards (standard practices and standard guides), identify specific methods professionals could or should use to attain results. Such prescriptive professional practice standards fail to consider the unique needs of a client, the client's project-specific expectations, or the requirements and obligations of the professionals engaged to provide service, nor do they consider more effective techniques that may have been developed subsequent to the issuance of such standards. These ASTM standards are generic and general in nature and, therefore, do not always constitute, nor are they tantamount to the applicable standard of care, which necessarily is defined and must consider project-specific contractual terms and other particular needs, expectations, circumstances, and requirements of the project and the professional engagement. Full adherence to ASTM's prescriptive professional practice standards may not be appropriate or in the best interests of the client or the project Impact Environmental's instruments of service. Impact Environmental has worked to develop a scope of service specifically for this project, in accordance with client's needs and preferences and Impact Environmental's professional and contractual obligations.

The ASTM Standards provide specific guidance with regard to radon, asbestos, lead in drinking water, lead based paint, and polychlorinated biphenyls (PCBs). Analysis of the CERCLA implications with regard to the innocent landowner defense under Superfund finds that naturally occurring radon is not subject to CERCLA liability and is appropriately considered as a non-scope issue. Accordingly, this assessment will only provide general guidance on this issue, and will not involve or recommend air monitoring for radon gas.

Similarly, the ASTM Standards do not recognize liability with regard to asbestos that is part of the building materials of a structure, in accordance with CERCLA innocent landowner defense under Superfund. In the

interest of serving the client and addressing the needs of the *user*, this assessment will identify possible observed asbestos containing materials (ACMs), may pose a health threat. This assessment is not a full asbestos survey as would be required for building demolition, or identification of all possible sources of ACM, regardless of health danger.

Lead in drinking water and lead based paint are also issues that are considered to be non-scope under CERCLA innocent landowner defense under Superfund. Lead based paint was in use for many years, and it is likely that many older buildings will have surfaces coated with lead based paint. As a general rule, painted surfaces should be maintained and ingestion of paint products should be avoided. If disposal of these materials were involved, disclosure of this practice would be subject to the scope of this environmental assessment. In the interest of serving the user, this report may include limited field-testing of surface paints and the observations on the condition of the painted surfaces. Lead in drinking water generally occurs as a result of past use of high lead content solder. Water left stagnant in pipes overnight or longer may leach lead from these joints and affect drinking water quality. As a general rule, water should be run for several minutes in the morning where such plumbing may be present.

This assessment will not identify all potential sources of PCB containing oils. Common sources of these materials include transformers and fluorescent lamp ballasts. Electric service transformers may include ground level or pole mounted units. These transformers are owned and maintained by regional public utilities. Transformers are inventoried and periodically inspected. Public utility company representatives have reported that transformers were not manufactured to contain PCB contaminated oils. Aggressive and destructive testing, which would be required for definitive identification of PCB containing oils, is beyond the scope of this study.

In addition to these non-scope considerations, ASTM also lists other issues that are beyond the scope of the standard practice for Phase I Environmental Site Assessments. These include wetlands, regulatory compliance, cultural and historic resources, industrial hygiene, health and safety, ecological resources, endangered species, indoor air quality, molds, urban fill containing non-point source related contaminants and high voltage power-lines. However, it is noted that this list is not intended to be all-inclusive. Identification and interpretation of several of these issues will be addressed by Impact Environmental as necessary to meet the standard of care.

It must be noted that the accuracy of any assessment is limited to the information available during the time of the site visit; the records, files, and drawings provided by the owner and released by governmental agencies; and the accuracy and completeness of the information provided during interviews.

2.3 Special Terms and Conditions

It is the responsibility of the *user* of this report (the party seeking to use this Environmental Site Assessment; i.e., the purchaser, lender, owner, potential tenant, or property manager) to provide certain information utilized in the report. This would include reporting of any *environmental liens* (for example, consideration against the property for response action, cleanup, or remediation of hazardous substances or petroleum products) encumbering the property or specialized knowledge or experience that would assist in identifying *recognized environmental conditions.*

The standard of care is uniform in each Phase I Environmental Site Assessment (ESA); however, the availability of information, relevance, and quality of information can vary. As per ASTM Standards, the "*environmental professional* is not required to verify independently the information provided, but may rely on information provided unless he or she has actual knowledge that certain information is incorrect or unless it is obvious that certain information is incorrect based on other information obtained in the Phase I ESA or otherwise actually known to the environmental professional." Personnel involved in report preparation will make judgments on the accuracy of *user* provided information and conduct additional research as necessary in order to meet the requirement of identifying *recognized environmental conditions* on the Site.

ASTM provides a number of standard sources of historic information. Impact Environmental will seek to research historic information as may be available as a means of cross confirmation. According to ASTM's Standard Practice for Environmental Site Assessments (E 1527-05), the "environmental professional is required to review only record information that is *reasonably ascertainable*," whereby *reasonably ascertainable* is defined as:

- Information that is *publicly available.*
- Information that is obtainable from its source within *reasonable time* and cost constraints.
- Information that is *practically reviewable.*

ASTM defines *reasonable time constraints* as information being provided by the source within twenty days of receiving a written request. *Practically reviewable* means that "the information is provided by the source in a manner and in a form that, upon examination, yields information relevant to the property without the need for extraordinary analysis of irrelevant data." Publicly available means "that the source of the information allows access to the information to anyone upon request."

Based on ASTM Standards, the Phase I ESA is not intended to include any sampling and analysis of materials associated with the Sites (i.e., soil, water, air, or building materials). However, if it has been noted by Impact Environmental that certain non-scope issues may be of concern to the *user*, a limited sampling and analysis program may be included under the scope of this assessment (lead surface paints and friable asbestos). Radon test results published by the USEPA Office of Radiation and Indoor Air in conjunction with the USGS were reviewed in lieu of sampling.

2.4 User Reliance

This assessment was performed at the request of ELH Management utilizing methods and procedures consistent with good commercial or customary practices. This assessment is intended, where applicable to the standard of care, to satisfy the requirements of the American Society for Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments, as published in ASTM E 1527-05. The independent conclusions represent the best professional judgment of the Environmental Professional based on the conditions that existed and the information and data available to Impact Environmental during the course of this assignment. Factual information regarding operations and conditions provided by Mr. Larry Hirschfield, owner, or the representative has been assumed to be correct and complete. The report may be distributed and relied upon by ELH Management. Reliance on the information and conclusions presented in this report by other party(ies) is not authorized by Impact Environmental.

3 SITE DESCRIPTION

At the time of this assessment, the Sites contained no permanent structures. The surface area of the Sites consists of debris, concrete sidewalks, exposed soils, and natural scrub vegetation. The Sites all exhibit low topographic relief (less than three percent slopes). The Sites are currently undeveloped and development plans for the Sites is said to be the construction of new townhouses.

3.1 Topography

The Pleistocene glaciation created the hilly Ronkonkoma moraine along Long Island's "spine" and south fork, and the Harbor Hill Moraine along the North shore and the North fork (see Figure 1). Erosion of these morainal deposits (as the glacier melted away from Long Island) created extensive outwash plains of sand and gravel in the intermorainal area and south to the Atlantic Ocean. These highly permeable deposits comprise the upper glacial aquifer (see section 7.2) and represent the majority of Long Island's surficial sediments. Some local confining clay units were also formed from glacial materials in intermorainal lakes and tidal lagoons. Since the end of glaciation, about 12,000 years ago, Holocene beach and marsh deposits have been formed along the marine edge, and within stream corridors and ponds.

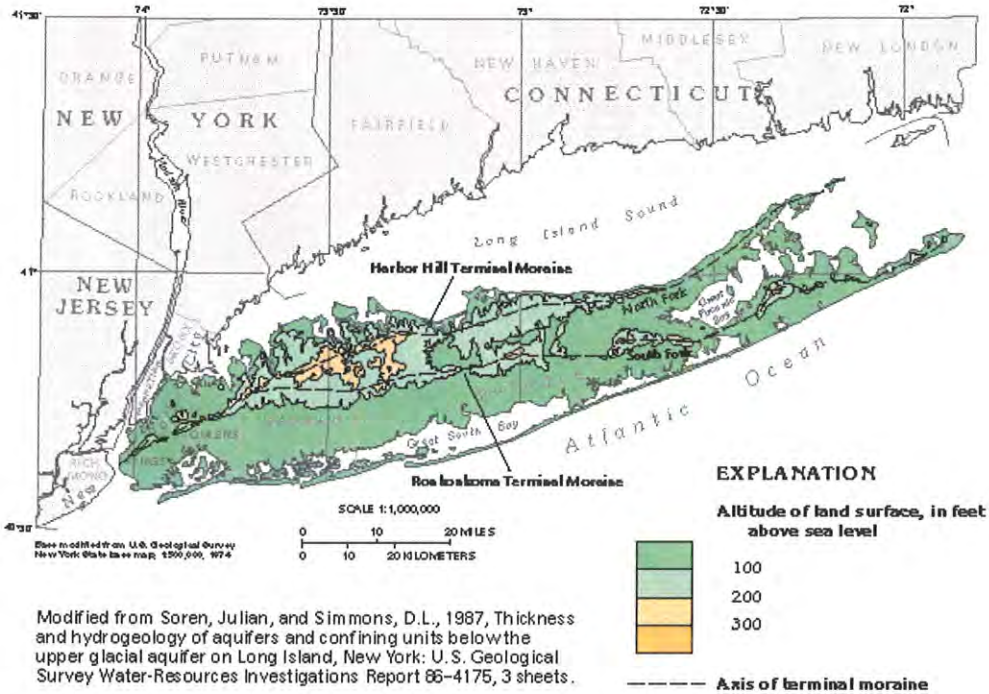


Figure 1 Long Island is dominated topographically by two ridges of till deposited as terminal moraines during the Wisconsinan glacial stage. The Harbor Hill and Ronkonkoma Terminal Moraines traverse the length of the island and form the North and South Forks on its eastern end. Kings and Queens Counties on the western end of the island are part of New York City. They are bounded on the east by populous Nassau County; Suffolk County includes the remainder of the island.

The elevation of the Sites, as presented on the United States Geologic Survey (USGS), Brooklyn Quadrangle Map, approximates forty-two (42) to fifty-two (52) feet above sea level. The USGS Map, which was base dated 1954, photo revised and field checked in 1966, and photo revised again in 1979, did not depict a structure on the Sites (the property is within an area in which only landmark buildings were mapped).

3.2 Subsurface Geology

The geology of Long Island consists of thick deposits of unconsolidated, water bearing sediments resting upon a relatively impermeable, crystalline bedrock surface. The sequence of events that shaped Long Island's geology is not known with certainty, but it probably began with the formation of the original basement rocks in early Paleozoic to Precambrian time. These basement rocks were heated and compressed (metamorphosed) by folding and faulting, producing a rugged, mountainous topography. During the subsequent period ending with the late Cretaceous Epoch 100 million years ago, erosion reduced the land to a nearly planer surface that gently tilted to the southeast.

During the late Cretaceous Epoch (60-100 million years ago), streams brought sediments from the north and the west to the Long Island area on the continental margin, forming a permeable sand layer (Lloyd Sand Member of the Raritan Formation) and overlying clay member (clay member of the Raritan Formation) upon the bedrock surface. After a short period of erosion or non-deposition, thick, permeable beds of river delta clay, sand, and gravel were deposited on the Raritan Formation; these deposits comprise the Magothy Aquifer. Toward the close of the Late Cretaceous period (approximately 60 million years ago), a sand and clay unit (Monmouth Group) of low permeability was deposited in shallow marine waters in the area that now constitutes Long Island's south shore.

A long period of non-deposition, or possibly deposition followed by erosion, occurred after the Cretaceous era. Geologic activities during this time left few sedimentary traces, but streams flowing across Long Island cut deep valleys into the Magothy. It was not until late Pleistocene (Wisconsinian) glaciation- some 20 to 200 thousand years ago- that there were any significant additions to Long Island's geologic record. Valleys were filled and the other deposits were almost completely buried by glacial deposits. Prior to the southward movement of the Pleistocene ice sheets to Long Island, an extensive clay unit (Gardiners Clay) was deposited in shallow marine and brackish waters along the shores of what is now Suffolk County. This unit rested upon the Magothy and Monmouth Group, and acted as a confining layer. The northern portions of the Gardiners were subsequently eroded by advancing ice and glacial meltwaters, and Gardiners Clay beds are now found only in the south shore area.

3.3 Soil Component Identification

The Sites lie within an area classified as Urban Land. This soil type consists of urbanized areas where the majority of the surface is covered with buildings, roads, driveways, parking lots, and other manmade structures. Further classification of the soils in these areas is impractical.

3.4 Hydrology

Queens and Kings Counties are underlain by two confined aquifers, the Magothy and the Lloyd, that have similar physical and chemical characteristics. A third aquifer, known as Upper Glacial, overlies portions of the Magothy and the Lloyd. The system these aquifers form is termed the Northern Atlantic Coastal Plain Aquifer (see Figure 2). Production from the system is minimal. Industrial production wells generally draw from the Upper Glacial. Potable water used within Queens and Kings Counties is drawn from surface water reservoir systems that have its source off of Long Island (Westchester County). However, there are small portions of Queens that utilize the Magothy for potable water. Production yields from all of these aquifers are very high.

The water quality of the Upper Glacial is impaired in areas due to heavy industrial and commercial development. However, the water quality of the Magothy and Lloyd is excellent due to thickness and horizontal continuity of the confining layers.

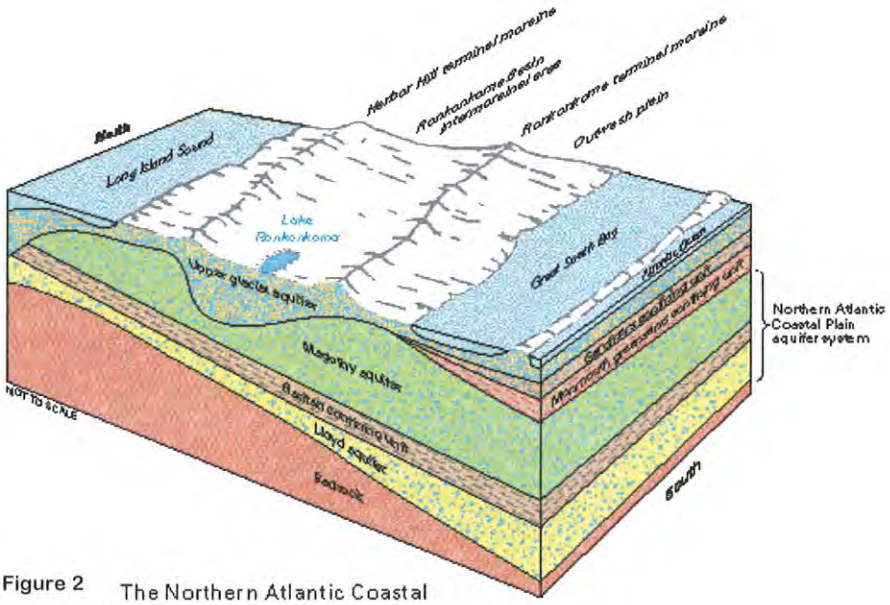
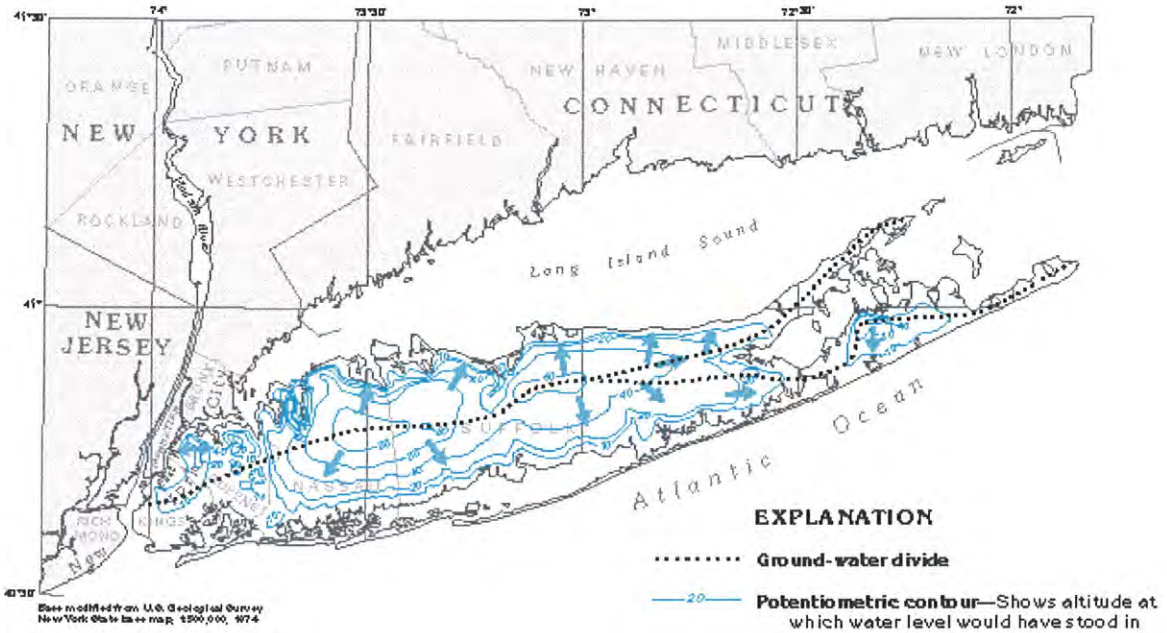


Figure 2 The Northern Atlantic Coastal Plain aquifer system only underlies Long Island. This aquifer system is hydraulically connected with the upper glacial aquifer throughout most of Long Island, except along the south coast and offshore islands, such as Fire Island. The approximate location of the block is shown in figure 10.

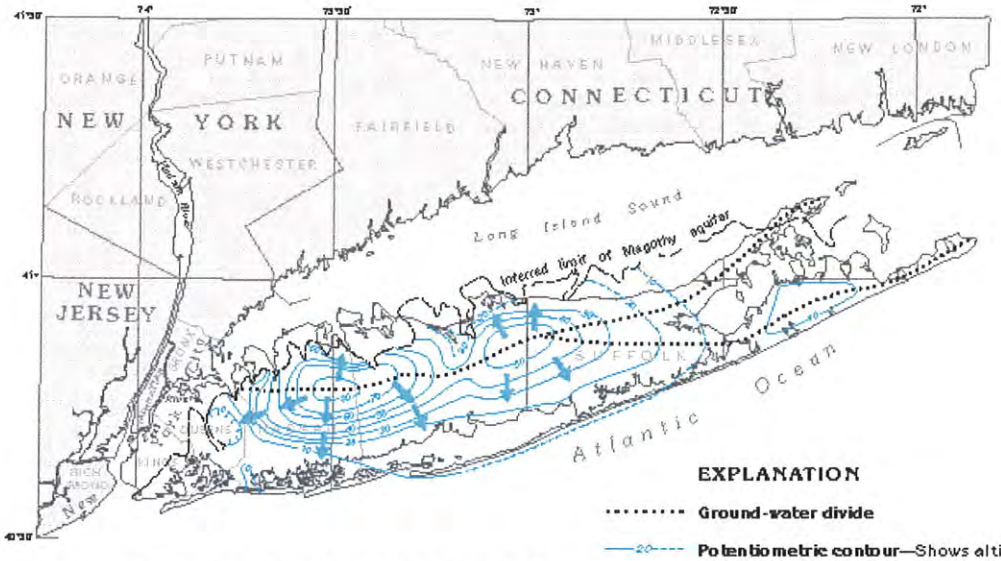
Modified from Jensen, H.M., and Soren, Julian, 1974, Hydrogeology of Suffolk County, Long Island, New York: U.S. Geological Survey Hydrologic Investigations Atlas HA-501, 2 sheets, scale 1:250,000.

On Long Island, water from precipitation that is not evapotranspired or that does not run off in storm drains or streams infiltrates the permeable soil and moves both downward and horizontally through the porous rocks in response to gravitational or withdrawal-induced gradients. A map of the potentiometric surface of each of the principal aquifers represents the pressure surface to which water will rise in tightly cased wells open to the aquifer, and it indicates the general direction of groundwater movement, which is down the hydraulic gradient and generally perpendicular to the potentiometric contours. The potentiometric surfaces of the principle aquifers (circa 1984) are depicted below in Figures 3, 4, and 5. The potentiometric surface of the unconfined upper glacial aquifer is known as the "water table," which is the top of the saturated zone. Groundwater divides separate the movement of groundwater northward to the Long Island Sound and southward to the Great South Bay and the Atlantic Ocean. Groundwater withdrawals in Kings and Queens Counties have lowered the potentiometric surfaces of both the upper glacial aquifer and the Magothy aquifer, changed their configurations, and produced characteristic cones of depression centered around the areas of withdrawal.



Modified from Doriski, T.P., 1987, Potentiometric-surface of the water-table, Magothy and Lloyd aquifers on Long Island, New York, in 1984: U.S. Geological Survey Water-Resources Investigations Report 86-4189, 4 sheets, scale 1:500,000.

Figure 3 . The potentiometric surface of the upper glacial aquifer slopes gently to the north and south from a central high, except in the western part of the island where ground-water withdrawals have lowered the water table and created cones of depression.



Modified from Doriski, T.P., 1987, Potentiometric-surface of the water-table, Magothy and Lloyd aquifers on Long Island, New York, in 1984: U.S. Geological Survey Water-Resources Investigations Report 86-4189, 4 sheets, scale 1:500,000.

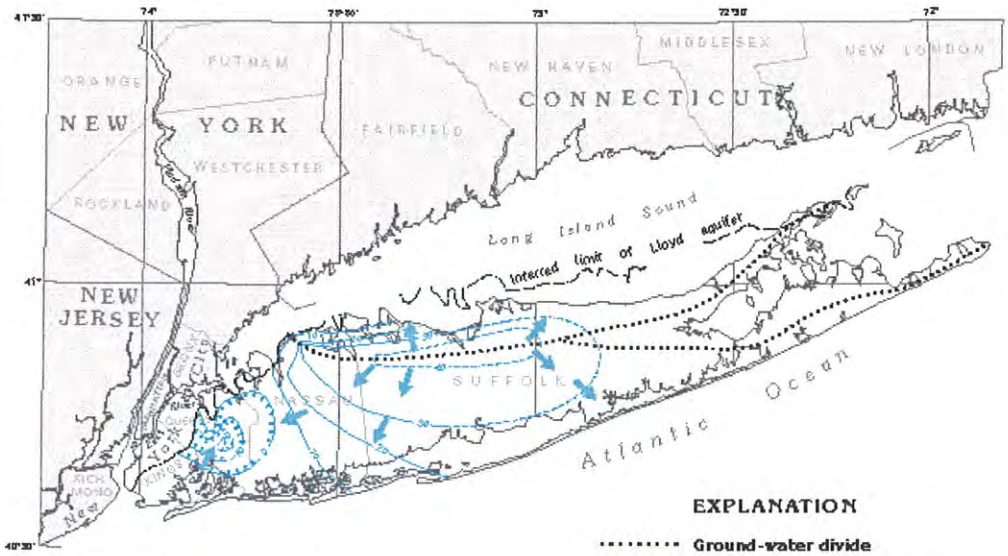
EXPLANATION

Ground-water divide

Potentiometric contour—Shows altitude at which water level would have stood in tightly cased wells during March–April 1984. Dashed where approximately located. Hachures indicate depression. Contour interval 10 feet. Datum is sea level

Direction of ground-water movement

Figure 4 The potentiometric surface of the Magothy aquifer has a configuration similar to that of the upper glacial aquifer, but the surface in the Magothy is more subdued and slightly lower in altitude.



Modified from Doriski, T.P., 1987, Potentiometric-surface of the water-table, Magothy and Lloyd aquifers on Long Island, New York, in 1984: U.S. Geological Survey Water-Resources Investigations Report 86-4189, 4 sheets, scale 1:500,000.

EXPLANATION

Ground-water divide

Potentiometric contour—Shows altitude at which water level would have stood in tightly cased wells in January 1984. Dashed where approximately located. Hachures indicate depression. Contour interval 10 feet. Datum is sea level

Direction of ground-water movement

Figure 5 . The potentiometric surface of the Lloyd aquifer represents the pressure surface of a confined aquifer and generally is 20 to 50 feet lower than the potentiometric surfaces of the upper glacial and Magothy aquifers. Withdrawals from the Lloyd aquifer in Kings and Queens Counties have extensively lowered the potentiometric surface of the aquifer in the western part of the island.

3.5 Groundwater Characteristics

Regional groundwater flow direction in the area of the Sites is anticipated to be towards the north-northwest. The water table is encountered at approximately thirty-five (35) to sixty-five (65) feet below existing grade.

4 SITE VISIT

A site visit was conducted by Christopher O'Leary of Impact Environmental on December 27, 2006, to observe and document site conditions. *[Site photographs are included in Appendix A].*

4.1 Interior Inspection

1. At the time of the inspection, the Sites did not maintain any permanent structures.

4.2 Exterior Inspection

The exterior of the Sites was inspected on December 27, 2006, by staff Environmental Biologist, Christopher O'Leary. No Site representative was available for this portion of the inspection. The inspection of the Sites revealed the following information relevant to the environmental quality of the Sites:

1. There was no underground storage tanks (USTs) identified outside the Sites.

2. There was no above ground storage tanks (ASTs) observed outside the Sites.

3. The Sites were observed to be secure with fencing.

4. No electrical transformers suspected of containing PCB bearing dielectric fluid were observed on the Sites.

5. There was no visible evidence of the illegal storage or dumping of asbestos containing materials on the Sites.

6. All vegetation on the Sites appeared in good condition relative to seasonal parameters.

7. Construction and demolition debris (brick and concrete, etc.) were observed on the surface of the Sites.

8. There were no stains or other visible evidence of any discharge of hazardous substances on the surface areas of the Sites.

4.3 Surrounding Properties

Land uses occurring on the surrounding properties may have an effect on the environmental quality of the Sites. Accordingly, a visual inspection was performed on the properties immediately adjacent to the Sites. The following information was noted.

1. None of the surrounding properties for any of the Sites exhibit evidence of any storage, handling, or discharge of hazardous substances.

4.4 Limited Scope Identification of Possible Lead Containing Surface Paints

The element of lead has no function in the body. It can have poisonous effects on human organs and the nervous system, causing a variety of toxic reactions. Since lead accumulates in the body more rapidly than it can be removed, repeated exposures, even to small amounts, and may produce lead poisoning. In addition, deteriorating lead components may allow lead to become airborne [CAS# 7439-92-1]. Threshold limit values have been established at 0.15 mg/m^3 (of air) by the American Conference of Governmental Industrial Hygienists. A non-destructive survey was performed. Said survey was not intended to constitute a full lead paint survey, which is beyond the scope of this report.

1. No suspected lead containing surface paints were observed, and no samples were secured.

4.5 Limited Scope Identification of Possible Friable Asbestos Containing Materials

Asbestos has been linked to various types of lung diseases. Various regulatory agencies have tolerance limits of 1% by weight for asbestos in materials. Any material that contains asbestos levels above this limit may be considered hazardous and may have to be abated. A non-destructive survey was performed. Said survey was not intended to constitute a full asbestos survey, which is beyond the scope of this report. The results of the survey are listed below:

1. No suspected friable asbestos containing materials were observed, and no samples were secured.

4.6 Limited Scope Identification of Possible Mold

As part of this assessment, Impact Environmental performed a limited visual inspection for the significant presence of mold. A class of fungi, molds has been found to cause a variety of health problems in humans, including allergic, toxicological and infectious responses. Molds are decomposers of organic materials which thrive in humid environments and produce tiny spores to reproduce, just as plants produce seeds. When mold spores land on a damp spot indoors, they may begin growing and digesting whatever they are growing on in order to survive. When excessive moisture or water accumulates indoors, mold growth will often occur, particularly if the moisture problem remains undiscovered or unaddressed. As such, interior areas of buildings characterized by poor ventilation and high humidity are the most common locations of mold growth. Building materials including drywall, wallpaper, baseboards, wood framing, insulation and carpeting often play host to such growth.

1. At the time of the inspection, the Sites did not maintain any permanent structures. Therefore, a visual inspection of mold was not performed.

4.7 Radon Investigation

Radon is a colorless, odorless, inert gas which has become an air contaminant in certain geographic areas. Radon is a natural isotope which is most commonly present in association with crystalline bedrock and occasionally other geologic deposits. Naturally occurring isotope decay can emit radiation, which when converted to radioactive metal oxide deposits in the lungs, causes health concerns from inhalation. Radon levels generally increase in areas where bedrock is close to the land surface, and generally only creates a health related problem where underground basements are constructed. A basement can allow radon gas to accumulate in a manner that could cause exposure. Geographically, radon may be of concern in certain parts of Queens and points further west. Absent these conditions, radon gas presents less of a concern. The only way to determine concretely if radon gas is present is to perform air monitoring. Said monitoring is beyond the scope of this report.

The EPA issued a publication entitled Map of Radon Zones dated September 1993. Said document was prepared by the USEPA Office of Radiation and Indoor Air in conjunction with the USGS. According to said publication, 1123 sites were tested for indoor radon concentrations in the five boroughs of New York City between the years 1985 and 1993. The following information was revealed (based on an action level for radon of 4 pCi/L).

Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
1.4 pCi/L	95%	5%	0%

5 REVIEW OF PROVIDED INFORMATION AND INTERVIEWS

Larry Hirschfield, President of ELH Management, was requested to provide certain information that is relevant to the environmental quality Sites; including site history information, title reports, environmental liens, specialized knowledge; and previous environmental reports. This information was evaluated by Impact Environmental for this Phase I ESA. The following table summarizes the information that was provided by the Mr. Larry Hirschfield.

Item	Provided	Not Provided
Phase I Questionnaire	X	
Title Records		X
Environmental Liens or Activity and Use Limitation		X
Specialized Knowledge		X
Valuation Reduction for Environmental Issues		X
Identification of Key Site Manager	X	
Reason for Performing Phase I ESA	X	
Corporate Records		X

5.1 Owner, Property Manager, and Occupant Information

The Sites are currently owned, managed, and occupied by various government and city agencies. Mr. Larry Hirschfield was identified as the key on-site Manager.

5.2 Title Records

Review of the chain-of-title information is included in the scope of work for this project.

1. At the time of this assessment, the User did not provide any title records for the Sites.

5.3 Environmental Liens

The Phase I Questionnaire was completed by ELH Management, President and is included in *Appendix B*. Mr. Larry Hirschfield indicated no knowledge of environmental liens against the Sites, or limitations related to the environmental conditions.

5.4 Specialized Knowledge

Mr. Larry Hirschfield completed the Phase I Questionaire and reported no specialized knowledge of HRECs, PCBs, or other *recognized environmental conditions* in the connection with the Sites.

5.5 Valuation Reduction for Environmental Issues

Mr. Larry Hirschfield completed the Phase I Questionaire and indicated that the property value or purchase price have been devalued compared to comparable properties, as a result of agreements for developmental and housing preservation within the City of New York.

5.6 Corporate Records

1. At the time of this assessment, ELH Management did not provide any corporate records for the Sites.

5.7 Interviews

The interview(s) revealed the following information relevant to the environmental quality of the Sites *[See Appendix B]*.

Contact Interviewed	Date	Relationship to Site	Relevant Information
Mr. Larry Hirschfield	12/12/2006	President, ELH Management	Phase I Questionnaire

1. According to Mr. Larry Hirschfield, the Sites are intended to become townhouses.

5.8 Interview With Local Government Officials

An interview with a representative of the New York City Fire Department (NYCFD) regarding the environmental quality of the Sites has revealed the following information.

1. According to the NYCFD representative, no information can be released regarding the Sites until a Freedom of Information request has been received and approved. No response has been received to date regarding the Freedom of Information request submitted for the Sites.

6 RECORDS REVIEW

The Freedom of Information Act/Law provides rights of access to all government documents not exempt from disclosure. Accessible records include paper documents and items such as video/audio tape recordings, microfilm, and computer disks. Impact Environmental examined relevant government documentation so as to define implicit parameters affecting the environmental quality of the Site. The appropriate Freedom of Information requests were submitted and are included in the appendix of this document.

Information from standard federal, state, county and local environmental record sources was provided by Toxics Targeting Environmental Report, Inc. Data from governmental agency lists are updated and integrated into one database, which is updated as these data are released. This integrated database also contains postal service data in order to enhance address matching. Records from one government source are compared to records from another to clarify any address ambiguities. The demographic and geographic information available provides assistance in identifying and managing risk. In some cases, location information supplied by the regulatory agencies is insufficient to allow the database companies to geocode facilities locations. These facilities are listed under the unmappables section within the Toxics Targeting Environmental Report.

Regulatory information from the following database sources regarding possible recognized environmental conditions, within the ASTM minimum search distance from the Site was reviewed. Specific facilities are discussed below if determined likely that a potential recognized environmental condition has resulted at the Site Property from the listed facilities. [*Please refer to Appendix C for a complete listing]*

The regulatory database record information for this assessment included the following addresses:

494 Gates Avenue
716, 718, & 720 Lafayette Avenue
22, 47, 49, & 51 Van Buren Street
327 Clifton Place
666 Greene Avenue

6.1 Federal Environmental Record Review

A Freedom of Information request was submitted to the United States Environmental Protection Agency (EPA). A response has not been received to date. *Environmental Protection Agency (EPA) [See Appendix D]*

6.1.1 National Priorities List (NPL)

The National Priorities List (NPL) is the Environmental Protection Agency (EPA) database of uncontrolled or abandoned hazardous waste sites identified for priority remedial actions under the Superfund Program.

1. The Sites are not listed as a NPL facility.
2. No NPL sites are located within one-mile of the Sites.

6.1.2 CERCLIS List

The Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) list is a compilation of sites that the EPA has investigated or is currently investigating for a release or threatened release of hazardous substances.

1. The Sites are not listed as a CERCLIS facility.
2. No CERCLIS sites are listed within ½-mile of the Sites.

6.1.3 Federal CERCLIS NFRAP Sites List

The CERCLIS No Further Remedial Action Planned (NFRAP) List is a compilation of sites that the EPA has investigated, and has determined that the facility does not pose a threat to human health or the environment, under the CERCLA framework.

1. The Sites are not listed as a CERCLIS-NFRAP facility.
2. No CERCLIS-NFRAP sites are listed within ½-mile of the Sites.

6.1.4 Federal Resource Conservation & Recovery Act (RCRA) CORRACTS Facilities List

The EPA Resource Conservation and Recovery Act (RCRA) Program identifies and tracks hazardous waste from the point of generation to the point of disposal. The CORRACTS database is the EPA's list of treatment storage or disposal facilities subject to corrective action under RCRA.

1. The Sites are not listed as a RCRA CORRACTS TSD facility.
2. Two (2) RCRA CORRACTS TSD facilities are listed within one-mile of the Sites.

Name: Pfizer Inc Brooklyn Plant Address: 11 Bartlett Street
Located: 5108 feet to the north of the 494 Gates Avenue Site
Facility ID: NYD001374214

Name: Techtronics Ecological Address: 501 Flushing Avenue
Located: 4406 feet to the northwest of the Lafayette Avenue Sites
Facility ID: NYD000824334

6.1.5 Federal Resource Conservation & Recovery Act (RCRA) TSD Facilities List

The EPA Resource Conservation and Recovery Act (RCRA) Program identifies and tracks hazardous waste from the point of generation to the point of disposal. The RCRA TSD database is a compilation by the EPA of reporting facilities that treat, store or dispose of hazardous waste.

1. The Sites are not listed as a RCRA TSD facility.
2. No RCRA TSD sites are listed within ½-mile of the Sites.

6.1.6 Federal Resource Conservation & Recovery Act (RCRA) Generator List

The RCRA program identifies and tracks hazardous waste from the point of generation to the point of disposal. The RCRA Generators database is a compilation by the EPA of reporting facilities that generate hazardous waste.

1. The Sites are not listed as a RCRA facility.
2. No RCRA Generator facilities are listed on the Sites or on the adjacent properties.

6.1.7 Federal Emergency Response Notification System (ERNS)

The Emergency Response Notification System (ERNS) is a national database used to collect information on reported release of oil or hazardous substances.

1. No ERNS sites are listed on the Sites or on the adjacent properties.

6.2 State Environmental Record Review

A Freedom of Information request was submitted to the New York State Department of Environmental Conservation (DEC). A response has not been received to date.

New York State Department of Environmental Conservation (NYSDEC) [See Appendix E]

6.2.1 Inactive Hazardous Waste Disposal Sites

New York's Inactive Hazardous Waste Disposal Site Registry is also known as the State Superfund. According to State authorities, these active or abandoned sites can pose serious environmental or health hazards that require investigation or clean up. Sites include toxic dumps, garbage landfills, factories, dry cleaners or illegal disposal sites that have caused extensive air, water, groundwater or soil contamination.

Classification System:

- Class 1 - Causing or presenting an imminent danger of causing irreversible or irreparable damage to public health or the environment - immediate action required.
- Class 2 - Significant threat to the public health or environment - action required.
- Class 2a – This temporary classification has been assigned to sites where there is inadequate data to assign them to the five classifications specified by law.
- Class 3 - Does not present a significant threat to the environment - action may be deferred.
- Class 4 - Site properly closed - requires continual management.
- Class 5 - Site properly closed, no evidence of present or potential adverse impact - no further action required.
- Class D1, D2, D3 – Delisted Site (D1-Hazardous waste not found; D2-Remediated; D3-Consolidated site or site incorrectly listed)

1. The Sites are not listed as an inactive hazardous waste disposal site.
2. There are no sites within a one-mile radius of the Sites that appear in the NYSDEC publication, Inactive Hazardous Waste Disposal Sites in New York State.

6.2.2 Hazardous Substance Waste Disposal Sites

These properties often pose serious environmental or health hazards, but they may have been low priorities for investigation or clean up because on-site contamination may not constitute "hazardous waste." Sites include utility coal tar facilities, wood tar sites and properties polluted with petroleum that have caused extensive air, water, groundwater or soil contamination.

1. The Sites are not listed as a hazardous waste disposal site.
2. There are no sites within a ½-mile radius of the Sites that appear in the NYSDEC publication, Hazardous Substance Waste Disposal Site Study.

6.2.3 Brownfield Sites

These properties are a listing of site that are abandoned, idled, or under-used industrial and commercial sites where expansion or redevelopment is complicated by real or perceived environmental contamination. The Voluntary Cleanup Program involves hazardous waste sites that have had their listing in the (above referenced publication) deferred while being investigated and remediated voluntarily under NYSDEC supervision. Coal tar sites may have previously been listed in the publications, but they were removed as a result of a Departmental legal review that revealed that most coal gasification wastes do not meet the New York State definition of hazardous waste. These sites are currently being investigated and remediated in conjunction with the regional utility companies, and it is possible that some of these sites may qualify as hazardous waste sites as information becomes available. In addition, the NYSDEC lists sites that fall under the 1996 Clean Water / Clean Air Bond Act Environmental Restoration Program (Brownfields Program). The Brownfields Program involves sites that are currently vacant or only partially utilized, have an industrial or commercial history, and are suspected or confirmed to have soil and / or groundwater contamination

1. The Sites are not listed as Environmental Restoration Program (Brownfields Program) site.
2. There are no sites within a ½-mile radius of the Sites that appear in the NYSDEC Brownfields Cleanup Program.
3. There are no sites within a ½-mile radius of the Sites that appear in the NYSDEC Voluntary Cleanup Program listing.

6.2.4 NYSDEC Coal Tar Sites

These are power generating structures, manufactured gas plants, gas storage facilities, maintenance yards and other gas and electric utility sites.

1. The Sites are not listed as an NYSDEC Coal Tar site.
2. There are no sites within a one-mile radius of the Sites that appear in the NYSDEC Coal Tar Site listing.

6.2.5 Solid Waste Management Facilities

The NYSDEC maintains a listing of all registered and permitted landfills, transfer stations, and solid waste disposal sites within New York State. A review of this listing has revealed the following information relevant to the environmental quality of the Site:

1. The Sites are not listed as a Solid Waste Management Facility.
2. There are no sites within a ½-mile radius of the Sites that appear on the listing.

6.2.6 State Pollutant Discharge Elimination System Permits (SPDES)

In 1973, New York passed the State Pollutant Discharge Elimination System (SPDES) Act, which provides for state permits for point source discharges to surface and ground waters. The USEPA delegated authority to NYSDEC to regulate the issuance of all National Pollution Discharge Elimination Systems (NYPES) permits as stipulated under sections 307, 318, 402, and 405 of the Clean Water Act, under the state SPDES program. A review of SPDES permit listings in New York City revealed the following information relevant to the environmental quality of the Site:

1. No significant SPDES permits are listed for the Sites.
2. No significant SPDES permits are listed for the contiguous with the Sites.

6.2.7 Major Oil Storage Facilities (MOSF)

Major Oil Storage Facilities have at least 400,000 gallons of storage capacity (as per Article 12 of the Navigation Law, 6 NYCRR Part 610, and 17 NYCRR Part 30) and often experience leaks, spills or other uncontrolled releases that can cause extensive air, water, groundwater or soil contamination that threatens the environment or the public health. Please note that New York has withheld public release of this database since January 2002.

1. The Sites did not appear on the MOSF listing.
2. There are no sites within a ½-mile radius of the Sites that appear on the MOSF listing.

6.2.8 Chemical Bulk Storage (CBS) Sites

Sites storing hazardous substances listed in 6 NYCRR Part 597 in aboveground tanks with capacities of 185 gallons or more and/or underground tanks of any size. It should be noted that New York has withheld public release of this database since January 2002.

1. The Sites did not appear on the CBS listing.
2. There are no sites within ¼-mile of the Sites that appear on the CBS listing.

6.2.9 Petroleum Bulk Storage (PBS) Sites

These are sites with more than a 1,100 gallon capacity for storing petroleum products. It should be noted that New York has withheld public release of this database since January 2002.

1. The Sites did not appear on the PBS listing.

2. Seventeen (17) sites are listed on the PBS database within ¼-mile of the all the Sites. Of these, zero (0) are listed as being within ¼-mile of all the Sites and seventeen (17) are listed as being within ⅛-mile of all the Sites. No sites are noted to be contiguous with the Sites.

6.2.10 Spill Logs

The New York State Department of Environmental Conservation routinely responds to petroleum product spill/discharge incidents so as to perform and/or supervise in their remediation. The agency currently maintains a log (Spill Log) of all reported incidents that have occurred within specific regions of the State of New York. Typical events that would be listed on the log include motor vehicle accidents involving the release of petroleum products; discharges of petroleum products from underground storage tanks; discharges of PCB contaminated oils from electrical transformers; and events involving the abandonment of petroleum products. A review of the NYSDEC Region 1 Spill Log revealed the following information relevant to the environmental quality of the Site.

1. There are no spill incidents listed in the NYSDEC Spill Log as having occurred on the Sites.
2. There are a significant number of spill incidents listed in the NYSDEC Spill Log as having occurred within ½-mile of all the Sites. Accordingly, the *approximate minimum search distance* (as defined by ASTM) was reduced to ¼-mile in order to make the data *practically reviewable*. One hundred fifty-eight (158) spill incidents are listed in the NYSDEC Spill Log as having occurred within ¼-mile of the all Sites *[see Appendix C]*. Review of these incidents has revealed that eighty-four (84) are listed as having occurred between ¼ to ⅛-mile, and seventy-four(74) are listed as having occurred within ⅛-mile.

The remaining spill incidents are not considered to have significantly impacted the environmental quality of the Sites. This determination was made based on such factors as the local groundwater flow direction, the spill incident statuses, the quantities of materials spilled, the distances between the spill sources and the Sites, and the resources affected.

6.3 City Environmental Record Review

New York City Department of Environmental Protection; New York City Fire Department; New York City Building Department [See Appendix F]

6.3.1 New York City Department of Environmental Protection

The Bureau of Water Pollution Control and the Bureau of Sewers of the New York City Department of Environmental Protection has put forth the document, Rules and Regulations Relating to the Use of the Public Sewers, Including Sewer Surcharges, pursuant to Section 1403 of the New York City Charter and by Sections 683a4-1.0 through 683a4-19.0, 687-1.0 and 689-1.0 of the Administrative Code of the City of New York and in compliance with Section 1105 of the New York City Charter. This document covers such topics as the disposal of wastewater, stormwater, and groundwater, the materials and substances excluded from public sewers, the toxic substances accepted conditionally, the terms and conditions for the issuance of a permit, the removal, transportation, and disposition of scavenger wastes, and the imposition and computation of sewer surcharge. The New York City DEP was contacted regarding the Site. The following information was made available:

1. A Freedom of Information request was submitted for the Site, but no response has been received to date.

6.3.2 New York City Fire Department

The New York City Fire Department oftentimes maintains records of underground storage tanks and the storage of hazardous materials. The New York City Fire Department was contacted about the Site and provided the following information:

1. A Freedom of Information request was submitted for the Site, but no response has been received to date.

6.3.3 New York City Building Department

The New York City Building Department maintains records regarding permits issued for the construction of a building, renovations of the building, boiler specifications, and violations. The department also maintains a record of those lots with an "E" designation on the Zoning Maps of the Zoning Resolution of the City of New York for potential hazardous material contamination ("haz-mat E lots"), as determined by the NYCDEP. Lots with said designation may not be issued a building permit allowing: 1) any development; 2) an enlargement, extension or change of use involving residential or community facility use; or 3) and enlargement that disturbs the soil on said lot unless and until the Department is provided with a report from DEP stating that

the environmental requirements for the lot have been met. The New York City Building Department was contacted about the Site and provided the following information:

1. The Sites were not listed with an "E" designation.

2. The Sites were listed as the following in the NYC Building Department database:

Address	Description	Address	Description
494 Gates Avenue	V0 - Vacant Land	49 Van Buren Street	N/A
716 Lafayette Avenue	V0 - Vacant Land	51 Van Buren Street	V0 - Vacant Land
718 Lafayette Avenue	V0 - Vacant Land	22 Van Buren Street	B3-2 Family Dwelling
720 Lafayette Avenue	V0 - Vacant Land	327 Clifton Place	N/A
47 Van Buren Street	V0 - Vacant Land	666 Greene Avenue	V0 - Vacant Land

3. The following Environmental Control Board (ECB) Violations were on file for the Sites.

Address	ECB #	Issued Date	Issues of Concerns
22 Van Buren Street	34105951H	03/02/1994	Failure to maintain building
	34105952J	03/02/1994	Occupancy Contrary
666 Greene Avenue	34183946R	10/19/1998	Failure to maintain building
	34215882K	09/30/1999	Failure to maintain building

4. The following Actions were on file for the Sites.

Address	Number	Issued Date	Action
494 Gates Avenue	DEM-263-47	08/18/1947	Demolition
716 Lafayette Avenue	DP 98-88	04/07/1988	Demolition Permit
718 Lafayette Avenue	DP 99-88	04/07/1988	Demolition Permit
720 Lafayette Avenue	DP 321-89	09/06/1989	Demolition Permit
51 Van Buren Street	DEM 936/81	12/18/1981	Demolition
47 Van Buren Street	DEMO 393-47-051173	1973	Demolition

5. No other records of any environmental concerns were on file for the Sites.

7 REVIEW OF HISTORIC DATA

7.1 Sanborn Maps

The Sanborn Maps were created to inform fire fighters of potential dangers based on land use and building construction. Said maps were also used for fire insurance purposes. These maps are updated on a rotating basis. The maps were inspected to determine past uses of the Site and surrounding properties. The Sanborn Maps for the Site revealed the following information *[See Appendix G].*

7.1.1 494 Gates Avenue

Year	*Site Historic Uses*
1888	The Site appears to maintain a bakery.
1908, 1932	The Site appears to maintain a store.
1951, 1965, 1976, 1988	The Site appears to be a vacant lot.

Direction	1888 - Surrounding Property Uses
North	Gates Avenue is visible. The properties beyond appear to be residential dwellings.
East	The properties appear to be residential dwellings.
South	The properties appear to be residential dwellings.
West	The properties appear to be stores.

Direction	1908 - Surrounding Property Uses
North	Gates Avenue is visible. The properties beyond appear to be residential dwellings.
East	The properties appear to be stores.
South	The properties appear to be residential dwellings.
West	The properties appear to be stores.

Direction	1932, 1951, 1965 - Surrounding Property Uses
North	Gates Avenue is visible. The properties beyond appear to be residential dwellings.
East	The properties appear to be a synagogue.
South	The properties appear to be residential dwellings.
West	The properties appear to be stores.

Direction	1976, 1988 - Surrounding Property Uses
North	Gates Avenue is visible. The properties beyond appear to be a Model Cities Program (Site 14).
East	The properties appear to be a synagogue.
South	The properties appear to be residential dwellings.
West	The properties appear to be stores.

7.1.2 716, 718, & 720 Lafayette Avenue

Year	*Site Historic Uses*
1888, 1908	The Sites appear to maintain residential dwellings.
1932, 1951, 1965, 1976	The Sites appear to maintain flats.
1988	The Sites appear to be a vacant lot.

Direction	1888, 1908 - Surrounding Property Uses
North	Lafayette Avenue is visible. The properties beyond appear to be residential dwellings.
East	The properties appear to be residential dwellings.
South	The properties appear to be residential dwellings.
West	The properties appear to be residential dwellings.

Direction	1932- Surrounding Property Uses
North	Lafayette Avenue is visible. The properties beyond appear to be residential dwellings.
East	The properties appear to be residential dwellings.
South	The properties appear to be residential dwellings.
West	The properties appear to be flats.

Direction	1951, 1965, 1976, 1988 - Surrounding Property Uses
North	Lafayette Avenue is visible. The properties beyond appear to be residential dwellings.
East	The properties appear to be residential dwellings.
South	The properties appear to be residential dwellings and vacant land.
West	The properties appear to be flats.

7.1.3 22 Van Buren Street

Year	*Site Historic Uses*
1888, 1908, 1932, 1965, 1976, 1988	The Site appears to maintain a residential dwelling.

Direction	1888, 1908 - Surrounding Property Uses
North	Van Buren Street is visible. The properties beyond appear to be residential dwellings.
East	The properties appear to be residential dwellings.
South	The properties appear to maintain Greene Avenue Church.
West	The properties appear to be residential dwellings.

Direction	1932, 1951 - Surrounding Property Uses
North	Van Buren Street is visible. The properties beyond appear to be residential dwellings and vacant land.
East	The properties appear to be residential dwellings.
South	The properties appear to maintain Greene Avenue Church.
West	The properties appear to be residential dwellings.

Direction	1965, 1976, 1988 - Surrounding Property Uses
North	Van Buren Street is visible. The properties beyond appear to be residential dwellings and vacant land.
East	The properties appear to be residential dwellings.
South	The properties appear to maintain vacant land.
West	The properties appear to be residential dwellings.

7.1.4 47, 49, & 51 Van Buren Street

Year	*Site Historic Uses*
1888, 1908, 1932, 1951, 1965	The Sites appear to maintain residential dwellings.
1976	The Sites appear to maintain residential dwellings while #47 is vacant land.
1988	The Sites appear to be a vacant lot.

Direction	1888, 1908, 1932, 1951, 1965, 1976 - Surrounding Property Uses
North	The properties appear to be residential dwellings.
East	The properties appear to be residential dwellings.
South	Van Buren Street is visible. The properties appear to be residential dwellings.
West	The properties appear to be residential dwellings.

Direction	1988- Surrounding Property Uses
North	The properties appear to be residential dwellings.
East	The properties appear to be residential dwellings.
South	Van Buren Street is visible. The properties appear to be vacant land.
West	The properties appear to be residential dwellings.

7.1.5 327 Clifton Place

Year	*Site Historic Uses*
1888, 1908, 1932	The Site appears to maintain residential dwellings.
1951, 1965, 1976, 1988	The Site appears to be a vacant lot.

Direction	1888, 1908 - Surrounding Property Uses
North	The properties appear to be residential dwellings.
East	The properties appear to be residential dwellings.
South	Clifton Street is visible. The properties beyond appear to be residential dwellings.
West	The properties appear to be residential dwellings.

Direction	1932 - Surrounding Property Uses
North	The properties appear to be residential dwellings.
East	The properties appear to be residential dwellings.
South	Clifton Street is visible. The properties beyond appear to be residential dwellings and apartments.
West	The properties appear to be residential dwellings.

Direction	1951 - Surrounding Property Uses
North	The properties appear to be residential dwellings.
East	The properties appear to be residential dwellings.
South	Clifton Street is visible. The properties beyond appear to be residential, apartments, and a church.
West	The properties appear to be residential dwellings.

Direction	1965 - Surrounding Property Uses
North	The properties appear to be residential dwellings.
East	The properties appear to be residential dwellings.
South	Clifton Street is visible. The properties beyond appear to be residential dwellings and apartments.
West	The properties appear to be residential dwellings.

Direction	1976, 1988 - Surrounding Property Uses
North	The properties appear to be residential dwellings.
East	The properties appear to be residential dwellings.
South	Clifton Street is visible. The properties beyond appear to be Model Cities (Site 3).
West	The properties appear to be residential dwellings.

7.1.6 666 Greene Avenue

Year	*Site Historic Uses*
1888, 1908	The Site appears to maintain residential dwellings.
1932	The Site appears to be a flat with a private automobile garage.
1951, 1965, 1976, 1988	The Site appears to be a flat with an auto repair.

Direction	1888, 1908 - Surrounding Property Uses
North	Greene Avenue is visible. The properties beyond appear to be a Baptist Home.
East	The properties appear to be residential dwellings.
South	The properties appear to be residential dwellings.
West	Throop Avenue is visible.

Direction	1932, 1951, 1965, 1976, 1988 - Surrounding Property Uses
North	Greene Avenue is visible. The properties beyond appear to be a Baptist Home.
East	The properties appear to be flats.
South	The properties appear to be residential dwellings.
West	Throop Avenue is visible.

8 EVALUATION OF DATA AND RECOMENDATIONS

An evaluation of the data obtained under the scope of this Phase I ESA was performed to identify recognized environmental conditions associated with the Site. The evaluation included a review of the reasonably ascertainable data collected under the scope of this assessment. The evaluation considered the significance of data gaps that were inherent to site-specific sources of information consulted for this Phase I ESA. The absence of certain information can affect the ability of the environmental professional to identify recognized environmental conditions; and is considered a data gap. A data gap is the lack of or inability to obtain information required by the All Appropriate Inquiries ruling despite good faith efforts by the environmental professional to gather such information. Data gaps may result from incompleteness in any of the activities required by this practice, including, but not limited to site visit, user-provided information, available sources of historic information and interviews.

8.1 Data Gaps

1. The responses to the Freedom of Information requests submitted to the United States Environmental Projection Agency, the New York State Department of Environmental Conservation, the New York City Department of Environmental Protection, and the New York City Bureau of Fire Prevention have not been received to date. In addition, no historical sources of information consulted in this Phase I ESA provided land uses back to each Site's point of pre-development. Furthermore, the chain-of-title records were not provided at the time of this assessment. This absence of this information represents a data gap. ASTM establishes that a diligent Phase I Environmental Site Assessment must consider all information obtained from a public agency within twenty days of receipt of a Freedom of Information requests. Accordingly, information obtained from the above-mentioned agencies before the twenty day period has passed will be addressed in an addendum to this assessment.

8.2 Recommended Phase I ESA Activities

1. The responses to the Freedom of Information requests submitted to the United States Environmental Projection Agency, the New York State Department of Environmental Conservation, the New York City Department of Environmental Protection, and the New York City Bureau of Fire Prevention have not been received to date. In addition, no historical sources of information consulted in this Phase I ESA provided land uses back to each Site's point of pre-development. ASTM establishes that a diligent Phase I Environmental Site Assessment must consider all information obtained from a public agency within twenty days of receipt of a Freedom of Information requests. Accordingly, information

obtained from the above-mentioned agencies before the twenty day period has passed will be addressed in an addendum to this assessment.

8.3 Recommended Phase II ESA Activities

1. Review of Sanborn maps revealed that the Site at 666 Greene Avenue historically maintained auto repair shop. No documentation was available regarding the proper abandonment and/or disposal of any chemical substances associated with the former on-site activities. This lack of documentation represents a *recognized environmental condition*. Accordingly, a limited subsurface investigation is recommended to determine if the environmental quality of the Site has been adversely impacted by former on-site activities.

2. Evidence of buried fill materials (dirt, construction and demolition debris, scrap metal, glass, wood, etc.) was observed on the Sites. The origin and quality of said materials was unknown. This material represents a *recognized environmental condition*. Accordingly, it is recommended that a limited subsurface investigation be performed to determine the quality of said material and if the material has impacted the environmental quality of the Sites.

3. Several off-site confirmed or potential contamination sources were identified to exist within the ASTM search radius. The need for the above-recommended on-site investigative activities is further supported by the presence of these sources.

8.4 Recommended Remedial Activities

1. Construction and demolition debris was observed on the Sites. It should be noted that excavation activities associated with the proposed redevelopment of the Sites may encounter the presence of fill materials and/or structures related with the former residential structures (i.e. undocumented fuel oil USTs) that would require specialized disposal under applicable regulations.

8.5 Recommended Compliance Activities

1. All debris observed on the Site should be removed from the premises and disposed of in accordance with the New York State solid waste regulations (6 NYCRR Part 360).

2. Should the building be renovated or demolished in the future, full lead and asbestos surveys should be conducted prior to the initiation of any work.

9 CONCLUSIONS

This report has been prepared for the sole benefit of ELH Management. The report may not be relied upon by any other person or entity without the express written consent of Impact Environmental and ELH Management. Where applicable, the assessment included a thorough visual inspection of the property, the examination of reasonably ascertainable records concerning the current and prior uses of the Site, and interviews with the current owners and/or operators of the Site. The findings presented in this site assessment are based on data obtained under the scope of this investigation. The conclusions represent the professional judgment of qualified Impact Environmental staff members using available information.

Impact Environmental has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527-05 of multiple addresses in Bedford Syuyesant, Brooklyn, New York, the Sites. (494 Gates Avenue, 716, 718, & 720 Lafayette Avenue, 22, 47, 49, & 51 Van Buren Street, 327 Clifton Place, and 666 Greene Avenue) Any exceptions to, or deletions from, this practice are described in Section 2.2 of this report. This assessment has revealed evidence of recognized environmental conditions associated with the Sites (see Recommended Phase II ESA Activities in Section 8.3). Accordingly, additional activities are recommended to define and enhance the environmental quality of the Sites. Further, the additional Recommended Phase I ESA and remedial activities should be performed as outlined in Section 8.2 though Section 8.5.

I certify that this assessment was performed under my direction and supervision, that I have reviewed and approved the report, and that the methods and procedures employed in the development of the report conform to industry standards. I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in §312.10 of 40 CFR 312. I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the Site. I have developed and performed the all appropriate inquires in conformance with the standards and practices set forth in 40 CFR part 312.

IMPACT ENVIRONMENTAL

Kevin Kleaka
Environmental Professional

Christopher O'Leary
Environmental Biologist

10 REFERENCES

1. The Basic Guide to Environmental Inspections. Environmental Assessment Association, undated.

2. EPA's Map of Radon Zones, New York. Air and Radiation Division, United States Environmental Protection Agency, September, 1993.

3. Feasibility Study For Use of the Brooklyn Queens Aquifer as an Additional Potable Water Supply. Malcolm Pirnie, Inc., White Plains, New York, March 1999.

4. Long Island Region Water Resources Management Study. Division of Water, New York State Department of Environmental Conservation, March, 1988.

5. Sanborn Fire Insurance Maps From the Sanborn Map Company Archives. Us Library of Congress.

6. Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process: ASTM Designation E 1527 - 05. The American Society for Testing and Materials, West Conshohocken, Pennsylvania, November 2006.

7. E 2091 Guide for Use of Activity and Use Limitations, Including Institutional and Engineering Controls *Federal Statutes:* Comprehensive Environmental Response, Compensation, and Liability Act of 1980 ("CERCLA" or "Superfund"), as amended by Superfund Amendments and Reauthorization

8. Act of 1986 ("SARA") and Small Business Liability Relief and Brownfields Revitalization Act of 2002 ("Brownfields Amendments"), 42 U.S.C. §§9601 *et seq.*

9. Emergency Planning and Community Right-To-Know Act of 1986 ("EPCRA"), 42 U.S.C. §§11001 *et seq.*

10. Freedom of Information Act, 5 U.S.C. §552, as amended by Public Law No. 104-231, 110 Stat. 3048

11. Resource Conservation and Recovery Act as amended ("RCRA"), 42 U.S.C §6901 *et seq.*

12. "All Appropriate Inquiry" Final Rule, 40 C.F.R. Part 312

13. Chapter 1 EPA, Subchapter J-Superfund, Emergency Planning, and Community Right-To-Know Programs, 40 C.F.R Parts 300-399

14. National Oil and Hazardous Substances Pollution Contingency Plan, 40 C.F.R. Part 300

15. OSHA Hazard Communication Regulation, 29 C.F.R. §1910.1200

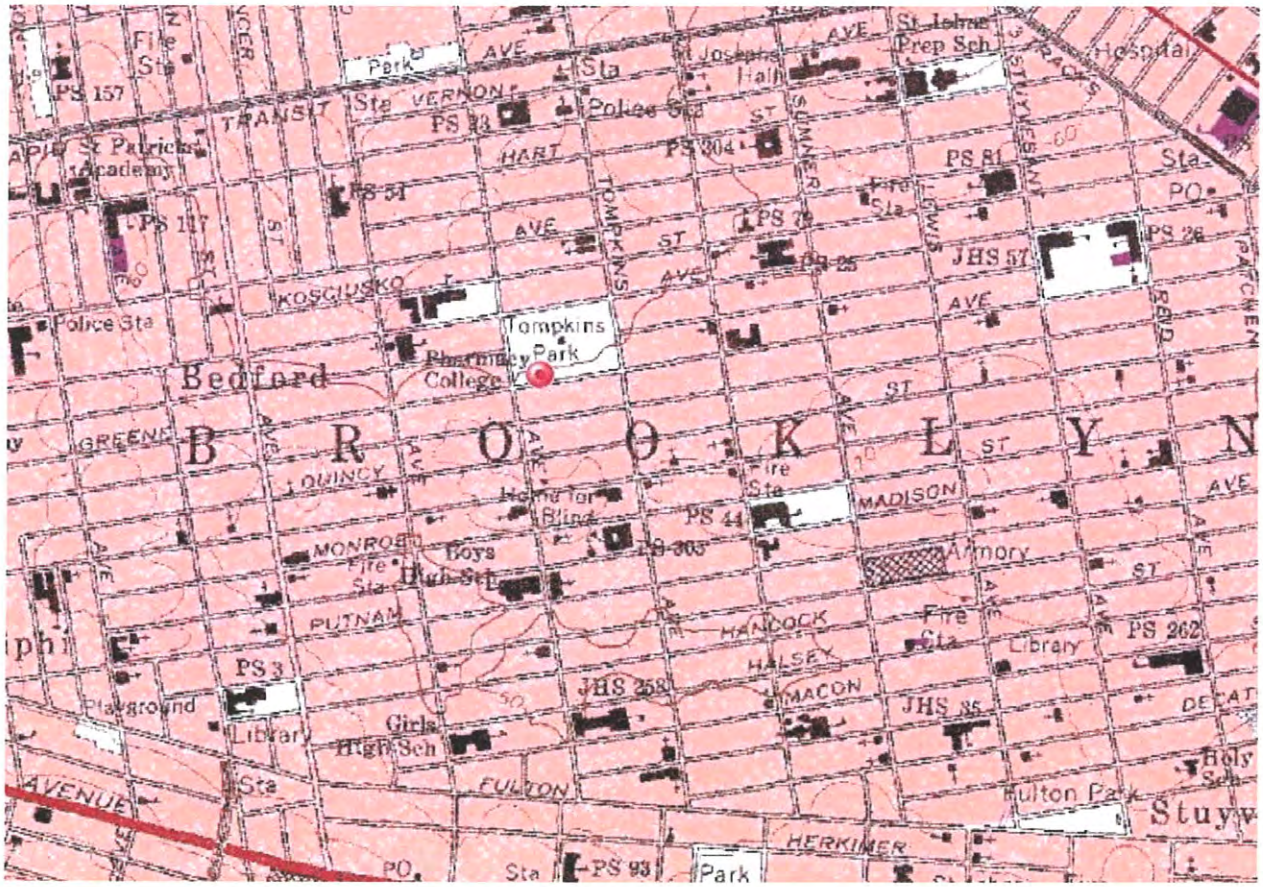
11 DISCLAIMER

The purpose of this investigation was to identify potential sources of contamination at the Sites, and to satisfy the all appropriate inquiry standard set forth by CERCLA liability and establishing innocent landowner, contiguous property owner, or bona fide prospective purchaser (also referred to as "land owner liability protections" or "LLPs") and the Brownfield Revitalization and Brownfield Act. The findings and conclusions set forth in this report are based upon information that was available to Impact Environmental during its inspection of the property. If new information becomes available concerning the property after this date, or if the property is used in the future in a manner other than that which is identified in this report, the findings and conclusions contained herein may have to be modified. Additionally, while this investigation was performed in accordance with good commercial and customary practice and generally accepted protocols within the consulting industry, Impact Environmental can not guarantee that the property is completely free of hazardous substances or other materials or conditions that could subject the Client to potential liability. The presence or absence of any such condition can only be confirmed through the collection and analysis of soil and groundwater samples, which was beyond the scope of this investigation.

Impact Environmental
Environmental Site Assessment

Plate 1: Site Location Map

Site Topographic Map
Brooklyn, New York



CONTOUR INTERVAL 10 FEET

DASHED LINES REPRESENT 5 – FOOT CONTOURS
DATUM IS MEAN SEA LEVEL
DEPTH CURVES AND SOUNDINGS IN FEET – DATUM IS MEAN LOW WATER

Impact Environmental
Environmental Site Assessment

Appendices

Impact Environmental
Environmental Site Assessment

Appendix A
Site Photos

PHOTO LOG

Photo 1: View of the Site at 327 Clifton Place.

Photo 2: View of the debris on Site at 327 Clifton Place.

Photo 3: View of the residential property contiguous with the western border of 327 Clifton Place.

Photo 4: View of the property contiguous with the eastern border of 327 Clifton Place.

Photo 5: View of the residential apartments south of 327 Clifton Place.

Photo 6: View of the Site at 494 Gates Avenue.

Photo 7: View of the residential property contiguous with the western border of 494 Gates Avenue.

Photo 8: View of the Church property contiguous with the eastern border of 494 Gates Avenue.

Photo 9: View of the residential apartments north of 494 Gates Avenue.

Photo 10: View of the Site at 666 Greene Avenue.

Photo 11: View of the residential property contiguous with the southern border of 666 Greene Avenue.

Photo 12: View of the residential apartments to the northwest of 666 Greene Avenue.

Photo 13: View of the residential apartments to the north of 666 Greene Avenue.

Photo 14: View of the residential property contiguous with the western border of 666 Greene Avenue.

Photo 15: View of the Sites at 716, 718, and 720 Lafayette Avenue.

Photo 16: View of the residential property to the north of 716, 718, and 720 Lafayette Avenue.

Photo 17: View of the residential apartments contiguous with the eastern border of 716, 718, and 720 Lafayette Avenue.

Photo 18: View of the residential apartments contiguous with the western border of 716, 718, and 720 Lafayette Avenue.

Photo 19: View of Sites at 47, 49, and 51 Van Buren Street.

Photo 20: View of debris on the Sites at 47, 49, and 51 Van Buren Street

Photo 21: View of the residential property contiguous with the western border of 47, 49, and 51 Van Buren Street.

Photo 22: View of the residential property contiguous with the eastern border of 47, 49, and 51 Van Buren Street.

Photo 23: View of the residential apartments to the south of 47, 49, and 51 Van Buren Street.

Photo 24: View of Site at 22 Van Buren Street.

Photo 25: View of the residential property contiguous with the western border of 22 Van Buren Street.

Photo 26: View of the residential apartments to the north of 22 Van Buren Street.

Photo 27: View of the residential property contiguous with the eastern border of 22 Van Buren Street.

Photographic Log

Photograph #1

Photograph #2

Photograph #3

Photograph #4

Photograph #5

Photograph #6

Note: These photographs have not been altered or retouched in any way unless specifically stated otherwise

Photographic Log

Photograph #7

Photograph #8

Photograph #9

Photograph #10

Photograph #11

Photograph #12

Note: These photographs have not been altered or retouched in any way unless specifically stated otherwise

Photographic Log

Photograph #13

Photograph #14

Photograph #15

Photograph #16

Photograph #17

Photograph #18

Note: These photographs have not been altered or retouched in any way unless specifically stated otherwise

Photographic Log

Photograph #19

Photograph #20

Photograph #21

Photograph #22

Photograph #23

Photograph #24

Note: These photographs have not been altered or retouched in any way unless specifically stated otherwise

Photographic Log

Photograph #25

Photograph #26

Photograph #27

Note: These photographs have not been altered or retouched in any way unless specifically stated otherwise

Impact Environmental
Environmental Site Assessment

Appendix B
Interview Documentation

IMPACT ENVIRONMENTAL
170 Keyland Court
Bohemia, New York 11716
631.269.8800 telephone
631.269.1599 facsimile
www.impactenvironmental.com

PHASE I QUESTIONNAIRE

In order to qualify for one of the *Landowner Liability Protections (LLPs)*[35] offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the "*Brownfields Amendments*")[36], the *user* must provide the following information (if available) to the *environmental professional*. Failure to provide this information could result in a determination that "*all appropriate inquiry*" is not complete.

In addition, certain information should be collected, if available, and provided to the *environmental professional* selected to conduct the Phase I. This information is intended to assist the *environmental professional* but is not necessarily required to qualify for one of the *LLPs*. The information includes:

1. Why is the Phase I required?

   We will be developing the property.

2. What type of Site and type of Site transaction? (i.e. sale, purchase, exchange, etc.)

   Purchase through government program.

3. What is the complete and correct address for the Site? (a map or other documentation showing Site location and boundaries is helpful).

   See attached.

4. Are their any other scope of services desired for the Phase I beyond the requirements of Practice E 1527 are to be considered?

   Unknown

5. What are future plans for the Site? (remain as is, demolition, construction, etc) If development changes are to be completed please include a site plan/survey.

   We will build townhouses.

6. Identification of all parties who will rely on the Phase I report.

   New Brooklyn Homes, LLC
   Community Preservation Corporation
   NYC Department of Housing Preservation and Development

7. Identification of the site contact and how the contact can be reached.

Vacant land - clear access.

8. Are their any environmental cleanup liens against the Site that are filed or recorded under federal, tribal, state or local law?

Not to our knowledge.

9. Are their any activity and use limitations (AULs), such as engineering controls, land use restrictions or institutional controls that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state or local law?

Unknown

10. As the user of this ESA do you have any specialized knowledge or experience related to the Site or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the Site or an adjoining Site so that you would have specialized knowledge of the chemicals and processes used by this type of business?

N/A

11. Does the purchase price being paid for this Site reasonably reflect the fair market value of the Site? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the Site?

No

12. Is their any commonly known or reasonably ascertainable information about the Site that would help the environmental professional to identify conditions indicative of releases or threatened releases? For example, as user,
(a.) Do you know the past uses of the Site?

Unknown

(b.) Do you know of specific chemicals that are present or once were present at the Site?

Unknown

(c.) Do you know of spills or other chemical releases that have taken place at the Site?

Unknown

(d.) Do you know of any environmental cleanups that have taken place at the Site?

Unknown

13. As the user of this ESA, based on your knowledge and experience related to the Site are there any obvious indicators that point to the presence or likely presence of contamination at the Site?

Unknown

14. Any special terms and conditions which must be agreed upon by the environmental professional?

No

15. Any other knowledge or experience with the Site that may be pertinent to the environmental professional

Examples including but not limited to:
Site plans, site maps, site surveys, environmental site assessment/compliance reports, permits, registration and/or removal documents for tanks (AST/UST), disposal records, chemical storage records, letters from regulatory agencies, e-designations, etc

No

16. Additional information?

No

Signature: [illegible] Date: 12/12/06

Title: President

---

[35] *Landowner Liability Protections*, or *LLPs*, is the term used to describe the three types of potential defenses to Superfund liability in EPA's *Interim Guidance Regarding Criteria Landowners Must Meet In Order to Qualify for Bona Fide Prospective Purchaser, Contiguous Site Owner, or Innocent Landowner Limitations on CERCLA Liability* ("*Common Elements*" Guide) issued on March 6, 2003.
[36] P.L. 107-118.

Impact Environmental
Environmental Site Assessment

Appendix C
Environmental Regulatory Database Review / Search

494 Gates Avenue
Brooklyn, New York

APPENDIX B

Impact Phase II ESA

Phase II Environmental Site Assessment

Limited Subsurface Investigation

April 6, 2009

conducted at:

666 Greene Ave
Brooklyn, New York
NYC Tax Map Designation: *(Block 1801, Lot 8)*

prepared for:

ELH Management
98 Rockwell Place
Brooklyn, New York 11217

report user:

ELH Management
98 Rockwell Place
Brooklyn, New York 11217

IE Project Number: 1738-1-04-1108

IMPACT ENVIRONMENTAL

170 KEYLAND CT BOHEMIA, NEW YORK 11754 ❖ 631.269.8800 TELEPHONE ❖ 631. 269.1599 FACSIMILE ❖ IMPACTENVIRONMENTAL.COM

TABLE OF CONTENTS

Section Topic Page

1 Purpose & Scope 1

2 Site Description 2

2.1 Topography 2

2.2 Land Use 2

2.3 Recognized Environmental Conditions 2

3 Survey, Sampling and Analysis Plan 3

3.1 Remote Sensing Survey 3

3.1.1 GPR Procedures 3

3.2 Subsurface Soil Sampling 4

3.2.1 Subsurface Probe Installation 4

3.3 Field Headspace Analysis 6

3.3.1 Headspace Analysis Procedure 6

3.4 Sample Characterization 6

3.5 Laboratory Sample Location and Frequency 7

4 Laboratory Analysis 8

4.1 Analytical Test Methods 8

4.2 Analytical Results Evaluation 8

5 Conclusions 10

PLATES

Plate 1: Project Location Map, *Brooklyn, New York*
Plate 2: Sample Acquisition Plan, *Brooklyn, New York*

TABLES

Table 1: Field Headspace Analysis Results, *Brooklyn, New York*
Table 2: Laboratory Analysis Data Summary Table [Soil]

FIGURE

Figure 1: Geoprobe Operating System

APPENDICES

Appendix A: Soil Probe Logs
Appendix B: Quality Assurance and Quality Control Procedures (QA/QC)
Appendix C: Laboratory Report, JMS Environmental Services, Inc.

DISTRIBUTION LIST

Report Holder	*Number of Reports Issued*
ELH Management	2
Impact Environmental Corporate Records	1

This document is not to be reproduced in any way. The document is protected by the copyright laws of the United States of America.

1 Purpose & Scope

This Phase II Environmental Site Assessment (ESA) was conducted to define what, if any, contaminants have impacted the environmental quality of the property located at 666 Greene Avenue, Brooklyn, New York, herein identified as the Site. The scope of this investigation was based on the recommendations presented in the Phase I ESA report prepared by Impact Environmental, dated January 9, 2009 and by the Phase II Investigation Work Plan and Health & Safety Plan generated by CA Rich, dated September 11, 2008. Said assessment identified issues requiring supplemental data to further define the environmental quality of the Site.

The investigative protocols proposed for this assessment were based, in part, upon the following documents: 1) the New York State Department of Environmental Conservation Technical and Administrative Guidance Memorandum (TAGM) #4046, Determination of Soil Cleanup Objectives; 2) the New York State Department of Environmental Conservation, Sampling Guidelines and Protocols, Technical Background and Quality Control Assurance for the New York State Department of Environmental Conservation Spill Response Program, dated September 1992; and 3) the New York State Department of Environmental Conservation, Division of Environmental Remediation, Draft DER-10 Technical Guidance For Site Investigation and Remediation, dated December 25, 2002. The activities performed under the scope of this investigation have been summarized in this report in the following sections.

- **Site Description**
- **Survey, Sampling and Analysis Plan**
- **Laboratory Analysis**
- **Evaluation of Results**
- **Conclusions**

Presented herein are the results of the Phase II Environmental Site Assessment conducted by Impact Environmental on the Site [see **Plate 1:** Project Location Map, *Brooklyn, New York*].

2 Site Description

The information presented in this section of the report was compiled during the performance of the Phase I ESA.

2.1 Topography

The areal extent of the Site is approximately 1,800 square feet. The Site is unimproved land and did not maintain any permanent structures. The surface area of the Site consisted of concrete walkways, exposed soils, and vegetative landscaping. The Site exhibits low topographic relief (less than three percent slopes).

2.2 Land Use

The Site lies within New York City residential zoning district V0-Vacant Land. At the time of the inspection the property did not maintain any permanent structures.

2.3 Recognized Environmental Conditions

The Phase I ESA revealed evidence of buried fill materials (dirt, construction and demolition debris, scrap metal, glass, wood, etc.) on the Site. The origin and quality of said materials was unknown. This material represents a *recognized environmental condition*. Accordingly, it was recommended that a limited subsurface investigation be performed to determine the quality of said material and if the material has impacted the environmental quality of the Site.

3 Survey, Sampling and Analysis Plan

This Phase II ESA subsurface investigation is based on a New York City Department of Housing Preservation and Development (NYCDEP) approved Phase II Investigation Work Plan and Health and Safety plan, developed by CA Rich, dated September 11, 2008. The scope of said plans is based on the review of information collected from a CEQR Negative Declaration dated March 6, 2008, and a Phase I ESA, conducted by Impact Environmental dated January 2007. Specifically, the plan calls for: 1) the performance of a ground penetrating radar survey to determine if any abandoned underground storage tanks (USTs) are present on the Site; and 2) advancing six subsurface soil probes utilizing a Geoprobe drilling system. All sampling locations can be referenced with **Plate 2:** Sample Acquisition Plan, *Brooklyn, New York.*

3.1 Remote Sensing Survey

A remote sensing survey was performed over portions of the planimetric surface of the Site utilizing a GSSI model SIR-2 ground penetrating radar (GPR) system equipped with a 400MHz antenna. The survey was performed to identify potential abandoned fuel oil USTs on the property.

An analysis of the data collected from the survey did not identify any subsurface anomalies interpreted to represent an underground storage tank.

3.1.1 GPR Procedures

A GPR system consists of a radar control unit, control cable and a transducer (antenna). The control unit transmits a trigger pulse at a normal repetition rate of 50 KHz. The trigger pulse is sent to the transmitter electronics in the transducer via the control cable. The transmitter electronics amplify the trigger pulses into bipolar pulses that are radiated to the subsurface. The transformed pulses vary in shape and frequency according to the transducer used. In the subsurface, variations of the signal occur at boundaries where there is a dielectric contrast (void, steel, soil type, etc.). Signal reflections travel back to the control unit represented as color graphic images for interpolation. This system is capable of transmitting electromagnetic energy in the frequency range of 16MHz to 2000MHz.

A qualified Impact Environmental technician specified a coordinate system on the planimetric surface of the site to map any subsurface dielectric anomalies detected on the premises. The operator used knowledge of the subsurface soil composition to calibrate the SIR-2 system to site-specific conditions. Factor settings such as range, gain, number of gain points, and scans per unit, were modified to yield the most accurate data to describe the subsurface conditions.

Upon finding a dielectric anomaly, a more spatially specific coordinate system was designed over the area to determine it's size, shape and orientation. The data collected during the survey was reviewed by the operator and compared against past experience, technical judgment and prior site knowledge to classify the anomalies

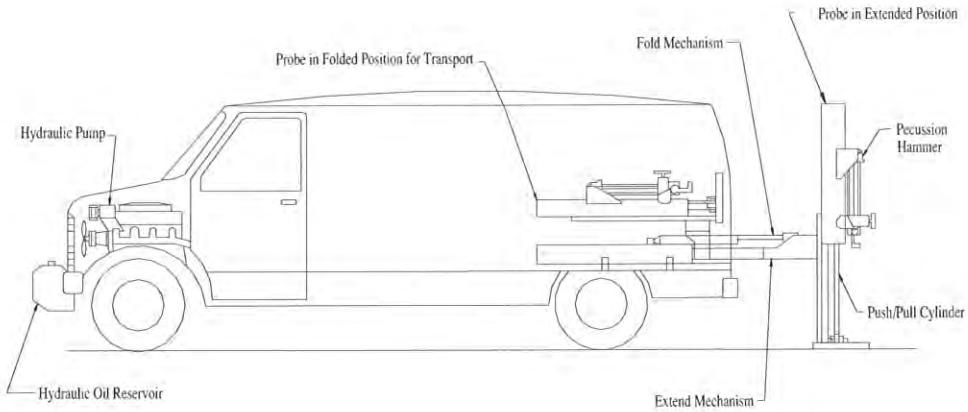
3.2 Subsurface Soil Sampling

On March 10, 2009, Impact Environmental installed six soil probes, identified as SB-1, SB-2, SB-3, SB-4, SB-5 and SB-6 on the Site as part of this investigation. The depths of the soil probes are as followed: SB-1 (0-2') (10') (40'), SB-2 (0-2'), SB-3 (0-2') (10'), SB-4 (0-2'), SB-5 (0-2') and SB-6 (0-2') (10').

3.2.1 Subsurface Probe Installation

Subsurface probes were installed using a Geoprobe hydraulically powered probing tool (see Figure 1: Geoprobe Operating System). Mechanized, vehicle mounted probe systems apply both static force and hydraulically powered percussion hammers for tool placement (static down forces up to 18,000 pounds combined with percussion hammers of eight horsepower continuous output). Recovery of large sample volumes was facilitated with a probe-driven sampler. The probe-driven sampler consisted of a hollow probe that opened via a remote control mechanism at the selected sampling depth in the soil profile to allow soil to enter as it was advanced. Discrete media samples were secured at the desired depths and were contained within a non-reactive transparent plastic sleeve that lined the hollow probe. The plastic sleeves were removed for subsequent inspection and sample aliquot acquisition.

Figure 1: Geoprobe Operating System

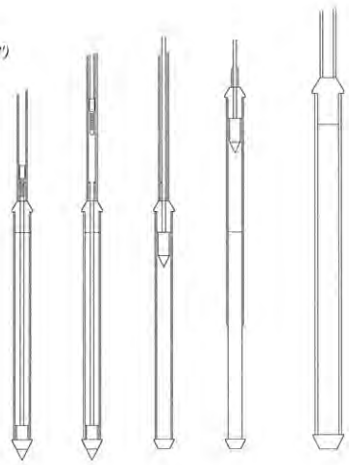


Basics

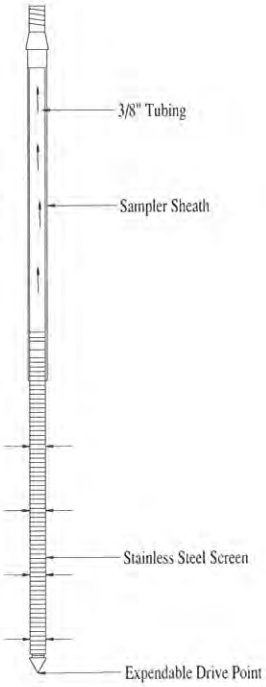
- Hydraulic powered probe unit isoperated from a engine driven pump.
- Remote vehicle ignition allows operator to start engine from probe unit.
- Belt driven hydraulic pump supplies 10 gpm @ 2000 rpm, 3000 psi operating pressure
- Probe unit folds for transport
- Unit utilizes static weight of vehicle and pecussion hammer to advance probing tools.
- Hydraulic hammer delivers pecussion rate of 30 Hz.
- Probes have greater than 18,000 lbs of down force and 25,000 lbs of retraction force.
- Drives multiple diameter probes (1", 1.25" and 2.25") to depths over 100 feet.

Soil Probing Tool
The tools are advanced and a sample is acquired in a non-reactive plastic sheathing. The system offers two sizes of sample retrieval:

Large bore - 1.5" x 2'
Macro - 2.25" x (2', 3' & 4')



Groundwater SP-15 Sampler
The tool allows a stainless steel, 4' screen to be delivered to the underlying groundwater. At the desired depth, the screen is retracted and samples are obtained via a check valve assembly.



3.3 Field Headspace Analysis

Headspace analysis was performed on each subsurface soil sample acquired from probes SB-1, SB-2, SB-3, SB-4, SB-5 and SB-6 to provide precursory data regarding contamination. The headspace analysis from SB-3 (0-2′), SB-4 (0-2′) and SB-5 (0-2′) did not detect concentrations of hydrocarbons above ambient levels. However, the headspace analysis performed on the samples acquired from SB-1 (0-2′) (10′) (40′), SB-2 (0-2′), SB-3 (10′) and SB-6 (0-2) (10′) revealed concentrations of hydrocarbons ranging from 0.5 ppm to 22.7 ppm. The results of the field analysis are presented in **Table 1**: Field Headspace Analysis Results, *Brooklyn.*

3.3.1 Headspace Analysis Procedure

Headspace analysis was performed on each of the acquired samples utilizing a portable photo ionization detection (PID) meter to measure what, if any, hydrocarbon concentrations were present in isolated portions of the secured samples. Headspace analysis was conducted by partially filling a wide-mouth glass container with sample aliquot and sealing the top with aluminum foil, thereby creating a void. This void is referred to as the sample headspace.

To facilitate the detection of any hydrocarbons contained within the head space, the container was agitated for a period of thirty (30) seconds. The probe of the vapor analyzer was then injected through the foil into the headspace to measure the hydrocarbon concentrations present. A Photovac Micro-Tip, PID was the organic vapor analyzer selected for the head space analysis. A PID utilizes the principle of photo ionization for detection and measurement of hydrocarbon compounds. A PID does not respond to all compounds similarly; rather, each compound has its own response factor relative to its calibration. For this investigation, the PID was calibrated to isobutylene. Hydrocarbon relative response factors for a PID calibrated to isobutylene are published by the manufacturer.

3.4 Sample Characterization

A visual inspection of all samples recovered during the installation of each of the soil probes was conducted to identify any gross signs of chemical contamination and to classify the sample media. Color classifications were made in accordance with the Munsell Classification System. Gradation classifications were made in accordance with the modified Burmeister classification System.

In general, the samples obtained from soil probes SB-1 through SB-6 were found to consist of brick, concrete and light/dark brown fine sand. No chemical odors or staining were noted within the soil samples obtained from the Site. Fill material was observed from said probes ranging from grade to approximately 8′ below existing grade (BEG).

3.5 Laboratory Sample Location and Frequency

The samples chosen for laboratory analysis were based on the NYCDEP approved Phase II Work Plan, by CA Rich. Soil samples from said plan are biased towards specific areas (proposed interior) in accordance with a 2007 building plan as illustrated by ABS Architects.

The samples selected for laboratory analysis were labeled for identification purposes as SB-1 (0-2′) (10′) (40′), SB-2 (0-2′), SB-3 (0-2′) (10′), SB-4 (0-2′), SB-5 (0-2′) and SB-6 (0-2′) (10′), respectively.

The soil samples selected for laboratory analysis were containerized in the appropriate vessels, preserved at 4°C in a cooler and transported under proper chain-of-custody procedures to a NYS-DOH certified commercial laboratory for analysis.

4 Laboratory Analysis

4.1 Analytical Test Methods

The samples were transported to a New York State Certified Commercial Laboratory for analysis. Selection of the analytical test methods was based on the New York State Department of Environmental Conservation Technical and Administrative Guidance Memorandum (TAGM) #4046, Determination of Soil Cleanup Objectives.

The laboratory analysis performed on the subsurface soil samples secured from all of the soil probes consisted of United States Environmental Protection Agency (USEPA) Test Method 8260 for target volatile organic analytes, USEPA Test Method 8270 for target base-neutral semi-volatile organic analytes, USEPA Test Method 6010 for target inorganic analytes, USEPA Test Method 8081/8082 for target PCBs and pesticides.

4.2 Analytical Results Evaluation

The laboratory analysis performed on the subsurface soil samples secured from probes SB-1 (0-2') (10') (40'), SB-2 (0-2'), SB-3 (0-2') (10'), SB-4 (0-2'), SB-5 (0-2') and SB-6 (0-2') (10') did not detect concentrations of target volatile organic analytes.

The laboratory analysis performed on the subsurface soil samples secured from probes SB-1(10') (40'), SB-2 (0-2'), SB-3 (0-2') (10'), SB-4 (0-2'), SB-5 (0-2') and SB-6 (10') did not detect concentrations of target semi-volatile organic analytes. However, the laboratory analysis performed on the subsurface soil samples secured from probes SB-1 (0-2') and SB-6 (0-2') detected concentrations of several target semi-volatile organic analytes above the applicable guidance criteria[1].

The laboratory analysis performed on the subsurface soil samples secured from probes SB-1 (0-2') (10') (40'), SB-3 (0-2') (10'), SB-4 (0-2'), SB-5 (0-2') and SB-6 (10') did not detect concentrations of target pesticide analytes or PCBs. However, the laboratory analysis performed on the subsurface soil samples

[1] NYSDEC, Technical and Administrative Guidance Memorandum (TAGM) #4046, Determination of Soil Cleanup Objectives.

secured from probes SB-2 (0-2′) and SB-6 (0-2′) detected concentrations of two target pesticide analytes. Said pesticide detections were below the applicable guidance criteria[2].

The laboratory analysis performed on the subsurface soil samples secured from probes SB-1 (0-2′) (10′) (40′), SB-2 (0-2′), SB-3 (0-2′) (10′), SB-4 (0-2′), SB-5 (0-2′) and SB-6 (0-2′) (10′) detected concentrations of several target inorganic analytes. The concentrations of the inorganic analytes detected from probes SB-1 (40′) and SB-4 (0-2′) were below the applicable guidance criteria[3]. However, the concentrations of the inorganic constituents detected from the sample probes SB-1 (0-2′) (10′), SB-3 (0-2′) (10′), SB-5 (0-2′) and SB-6 (10′) were above the applicable guideline criteria[4].

Table 2: Detected Analytes in Soil present a summary of the detected concentrations versus the relevant guidance values that apply in New York State. The original laboratory analysis report as prepared by JMS Environmental Services, Inc. is presented in **Appendix C** of this document.

---

[2] NYSDEC, Technical and Administrative Guidance Memorandum (TAGM) #4046, Determination of Soil Cleanup Objectives.
[3] Ibid
[4] Ibid

5 Conclusions

Impact Environmental has performed a Phase II Environmental Site Assessment on the Site in accordance with good commercial and customary practice and generally accepted protocols within the consulting industry. The investigation consisted of the sampling and analysis of subsurface soil to further define the environmental quality of the Site with respect to the scope as presented in CA Rich's NYCDEP approved Phase II Work Plan.

Based upon this assessment, dated April 6, 2009, Impact Environmental concludes that the subsurface soils on the Site have been impacted by semi-volatile and inorganic constituents. Accordingly, based on the future development plans for the Site, the soils should be handled and removed in accordance with all applicable rules and regulations. In addition, a Remedial Action Plan should be prepared and approved by the NYCDEP prior to the initiation of any work.

IMPACT ENVIRONMENTAL

James Cressy
Assessment Supervisor

Kevin Kleaka
Project Manager

DISCLAIMER FOR PHASE II ENVIRONMENTAL SITE ASSESSMENT

The observations described in this report were made under the conditions stated therein. The conclusions presented in the report were based solely upon the services described therein, and not on scientific tasks or procedures beyond the scope of described services or the time and budgetary constraints imposed by the Client.

In preparing this report, Impact Environmental may have relied on certain information provided by state and local officials and other parties referenced therein, and on information contained in the files of state and/or local agencies available to Impact Environmental at the time of the Site assessment. Although there may have been some degree of overlap in the information provided by these various sources, Impact Environmental did not attempt to independently verify the accuracy or completeness of all information reviewed or received during the course of this Site assessment.

Observations were made of the Site and of structures on the Site as indicated within the report. Where access to portions of the Site or to structures on the Site was unavailable or limited, Impact Environmental renders no opinion as to the presence of non-hazardous or hazardous materials, or to the presence of indirect evidence relating to non-hazardous or hazardous materials, in that portion of the Site or structure. In addition, Impact Environmental renders no opinion as to the presence of hazardous materials, or the presence of indirect evidence relating to hazardous materials, where direct observation of the interior walls, floor, or ceiling of a structure on a Site was obstructed by objects or coverings on or over these surfaces.

Impact Environmental did not perform testing or analyses to determine the presence or concentration of asbestos at the Site or in the environment of the Site under the scope of the services performed.

The conclusions and recommendations contained in this report are based in part, where noted, upon the data obtained from a limited number of soil samples obtained from widely spaced subsurface explorations. The nature and extent of variations between these explorations may not become evident until further exploration. If variations or other latent conditions then appear evident, it will be necessary to reevaluate the conclusions and recommendations of this report.

Any water level readings made in test pits, borings, and/or observation wells were made at the times and under the conditions stated in the report. However, it must be noted that fluctuations in the level of groundwater may occur due to variations in rainfall and other factors different from those prevailing at the time measurements were made.

Except as noted within the text of the report, no qualitative laboratory testing was performed as part of the Site assessment. Where such analyses have been conducted by an outside laboratory, Impact Environmental has relied upon the data provided, and has not conducted an independent evaluation of the reliability of the data.

The conclusions and recommendations contained in this report are based in part, where noted, upon various types of chemical data and are contingent upon their validity. The data have been reviewed and interpretations were made in the report. As indicated within the report, some of the data may be preliminary "screening" level data, and should be confirmed with quantitative analyses if more specific information is necessary. Moreover, it should be noted that variations in the types and concentrations of contaminants and variations in their flow paths may occur due to seasonal water table fluctuations, past disposal practices, the passage of time, and other factors. Should additional chemical data become available in the future, the data should be reviewed, and the conclusions and recommendations presented herein modified accordingly.

Chemical analyses have been performed for specific constituents during the course of this Site assessment, as described in the text. However, it should be noted that additional chemical constituents not searched for during the current study may be present in soil and/or groundwater at the Site.

Tables

Table 1: Field Headspace Analysis Results
Brooklyn, New York

Sample ID	**SB-1**	**SB-2**	**SB-3**	**SB-4**	**SB-5**	**SB-6**
Unit	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
Depth BEG						
0'-2'	0.7	1.2	<1	0.0	0.0	0.5
2'-4'	N/A	N/A	<1	N/A	N/A	N/A
4'-6'	N/A	N/A	0.5	N/A	N/A	N/A
6'-8'	N/A	N/A	0.8	N/A	N/A	N/A
8'-10'	22.7	N/A	<1	N/A	N/A	1.7
38'-40'	0.9	N/A	N/A	N/A	N/A	N/A

Table: 2
Laboratory Analysis Data Summary Table [Soil]
666 Greene Avenue, Brooklyn New York

Parameter Name	Parameter ID	SB-1	SB-1	SB-1	SB-2	SB-3	SB-3	SB-4	SB-5	SB-6	SB-6	NYSDEC Background Levels	NYSDEC TAGM #4046 Recommended Soil Cleanup Objectives
Sample ID		0-2'	10'	40'	0-2'	0-2'	10'	0-2'	0-2'	0-2'	10'		
Unit		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/kg	ug/kg
1,1,1,2-Tetrachloroethane	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA
1,1,1-Trichloroethane	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	800
1,1,2,2-Tetrachloroethane	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	600
1,1,2-Trichloroethane	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA
1,1,2 Trichloro-1,2,2 Trifluoroethane	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	6,000
1-1- Biphenyl	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA
1,1-Dichloroethane	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	200
1,1-Dichloroethene	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	400
1,1-Dichloropropene	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA
1,2,3-Trichlorobenzene	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA
1,2,3-Trichloropropane	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	400
1,2,4,5-Tetramethylbenzene	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA
1,2,4-Trichlorobenzene	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	3,400
1,2,4-Trimethylbenzene	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	10,000
1,2-Dibromo-3-Chloropropane	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA
1,2-Dibromoethane	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA
1,2-Dichlorobenzene	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	7,900
1,2-Dichloroethane	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	100
1,2-Dichloropropane	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA
1,3,5-Trimethylbenzene	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	3,300
1,3-Dichlorobenzene	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	1,600
1,3-Dichloropropane	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	300
1,3-Dichloropropene(cis and trans)	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA
1,4-Dichlorobenzene	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	8,500
1,4-Dioxane	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA
2,2-Dichloropropane	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA
2-Butanone (MEK)	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	300
2-Chlorotoluene	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA
2-Hexanone	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA
4-Chlorotoluene	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA
4-Methyl-2-Pentanone	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	1,000
Acetone	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	200
Acrolein	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA
Acrylonitrile	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA
Benzene	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	60
Benzidine	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA
Benzoic Acid	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	2,700
Bromobenzene	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA
Bromochloromethane	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA
Bromodichloromethane	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA
Bromoform	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA
Bromomethane	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA
Carbon Disulfide	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	2,700
Carbon Tetrachloride	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	600
Chlorobenzene	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	1,700
Chlorodibromomethane	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA
Chloroethane	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	1,900
Chloroform	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	300
Chloromethane	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA
cis-1,2-Dichloroethene	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA
cis-1,3-Dichloropropene	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA
Dibromomethane	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA
Dibromochloromethane	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA
Dichlorodifluoromethane	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA
Ethylbenzene	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	5,500
Hexachlorobenzene	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	410
Isopropylbenzene	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	2,300
Methyl Acetate	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA
Methyl Isobutyl Ketone (MIBK)	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA
Methylene Chloride	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	100
Methyl Tert-Butyl Ether (MTBE)	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	120
Naphthalene	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA
n-Butylbenzene	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	10,000
n-Propylbenzene	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	3,700
p-Diethylbenzenen	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA
p-Ethyltoluene	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA
p-Isopropyltoluene	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	10,000
sec-Butylbenzene	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	10,000
Styrene	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA
tert-Butylbenzene	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	10,000
Tertiary Butyl Alcohol (TBA)	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA
Tetrachloroethene	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	1,400
Toluene	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	1,500
Total Xylenes	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	1,200

Table: 2
Laboratory Analysis Data Summary Table [Soil]
666 Greene Avenue, Brooklyn New York

Parameter Name	Parameter ID	SB-1	SB-1	SB-1	SB-2	SB-3	SB-3	SB-4	SB-5	SB-6	SB-6	NYSDEC Background Levels	NYSDEC TAGM #4046 Recommended Soil Cleanup Objectives
Sample ID		0-2'	10'	40'	0-2'	0-2'	10'	0-2'	0-2'	0-2'	10'		
Unit		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/kg	ug/kg
trans-1,2-Dichloroethene	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	300
trans-1,3-Dichloropropene	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA
Trichloroethene	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	700
Trichlorofluoromethane	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA
Vinyl Acetate	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA
Vinyl Chloride	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	200
1,2- Diphenylhydrazine	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	NA
2,4,5-Trichlorophenol	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	100
2,4,6-Trichlorophenol	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	NA
2,4-Dichlorophenol	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	400
2,4-Dimethylphenol	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	NA
2,4-Dinitrophenol	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	200 or MDL
2,4-Dinitrotoluene	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	NA
2,6-Dinitrotoluene	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	1,000
2-Chloronapthalene	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	NA
2-Chlorophenol	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	800
2-Methylnaphthalene	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	36,400
2-Methylphenol (o-Cresol)	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	100 or MDL
2-Nitroaniline	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	430 or MDL
2-Nitrophenol	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	330 or MDL
3,3-Dichlorobenzidine	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	NA
3-Nitroaniline	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	500 or MDL
4,6-Dinitro-2-methylphenol	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	NA
4-Bromophenyl-phenyl ether	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	NA
4-Chloro-3-methylphenol	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	240 or MDL
4-Chloroaniline	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	220 or MDL
4-Chlorophenyl phenyl ether	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	NA
4-Methylphenol (p-Cresol)	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	900
4-Nitroaniline	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	NA
4-Nitrophenol	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	100 or MDL
Acenaphthene	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	50,000
Acenaphthylene	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	41,000
Acetophenone	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	NA
Aniline	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	100
Anthracene	SVOC	561	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	50,000
Atrazine	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	NA
Benzaldehyde	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	NA
Benzo-a-Anthracene	SVOC	**1912**	<330	<330	<330	<330	<330	<330	<330	**573**	<330	NA	224 or MDL
Benzo-a-Pyrene	SVOC	**1701**	<330	<330	<330	<330	<330	<330	<330	**504**	<330	NA	61 or MDL
Benzo-b-Fluoroanthene	SVOC	**1439**	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	1,100
Benzo-k-Fluoroanthene	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	1,100
Benzo-g,h,i-Perylene	SVOC	735	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	50,000
Benzyl Alcohol	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	NA
Bis(2-Chloroethoxy)methane	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	NA
Bis(2-Chloroethyl)ether	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	NA
Bis(2-Chloroisopropyl)ether	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	NA
Bis(2-Ethylhexyl)Phthalate	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	50,000
Butylbenzylphthalate	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	50,000
Caprolactam	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	NA
Carbazole	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	NA
Chrysene	SVOC	**1936**	<330	<330	<330	<330	<330	<330	<330	**625**	<330	NA	400
Dibenzofuran	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	6,200
Dibenzo-a,h-Anthracene	SVOC	**353**	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	14 or MDL
Diethyl Phthalate	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	7,100
Dimethyl Phthalate	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	2,000
Di-n-Butyl Phthalate	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	8,100
Dinitrotoluene(2,4-/2,6-)	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	NA
Di-n-Octyl Phthalate	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	50,000
Fluoranthene	SVOC	3751	<330	<330	<330	<330	<330	<330	<330	1345	<330	NA	50,000
Fluorene	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	50,000
Hexachlorobenzene	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	410
Hexachlorocyclopentadiene	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	NA
Hexachlorobutadiene	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	NA
Hexachloroethane	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	NA
Indeno(1,2,3-c,d)Pyrene	SVOC	674	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	3,200
Isophorone	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	4,400
m-Cresol(s)	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	NA
Naphthalene	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	13,000
Nitrobenzene	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	200 or MDL
N-Nitrosodimethylamine	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	NA
N-Nitroso-di-n-Propylamine	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	NA
N-Nitrosodiphenylamine	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	NA
Pentachlorophenol	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	1,000 or MDL
Phenanthrene	SVOC	1754	<330	<330	<330	<330	<330	<330	<330	1047	<330	NA	50,000
Phenol	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	30 or MDL
Pyrene	SVOC	3131	<330	<330	<330	<330	<330	<330	<330	1036	<330	NA	50,000

Table: 2
Laboratory Analysis Data Summary Table [Soil]
666 Greene Avenue, Brooklyn New York

Parameter Name	Parameter ID	SB-1	SB-1	SB-1	SB-2	SB-3	SB-3	SB-4	SB-5	SB-6	SB-6	NYSDEC Background Levels	NYSDEC TAGM #4046 Recommended Soil Cleanup Objectives
Sample ID		0-2'	10'	40'	0-2'	0-2'	10'	0-2'	0-2'	0-2'	10'		
Unit		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/kg	ug/kg
4,4-DDD	PESTICIDE	<2	<2	<2	<2	<2	<2	<2	<2	15.3	<2	NA	2,900
4,4-DDE	PESTICIDE	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	NA	2,100
4,4-DDT	PESTICIDE	<2	<2	<2	23.4	<2	<2	<2	<2	79.3	<2	NA	2,100
Aldrin	PESTICIDE	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	NA	41
alpha-BHC	PESTICIDE	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	NA	110
Aroclor 1016	PCB	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	NA	NA
Aroclor 1221	PCB	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	NA	NA
Aroclor 1232	PCB	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	NA	NA
Aroclor 1242	PCB	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	NA	NA
Aroclor 1248	PCB	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	NA	NA
Aroclor 1254	PCB	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	NA	NA
Aroclor 1260	PCB	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	NA	NA
beta-BHC	PESTICIDE	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	NA	200
Chlordane	PESTICIDE	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	NA	540
delta-BHC	PESTICIDE	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	NA	300
Dieldrin	PESTICIDE	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	NA	44
Endosulfan	PESTICIDE	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	NA	NA
Endosulfan I	PESTICIDE	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	NA	900
Endosulfan II	PESTICIDE	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	NA	900
Endosulfan Sulfate	PESTICIDE	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	NA	1,000
Endrin	PESTICIDE	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	NA	100
Endrin Aldehyde	PESTICIDE	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	NA	NA
Endrin Ketone	PESTICIDE	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	NA	NA
gamma-BHC (Lindane)	PESTICIDE	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	NA	60
Heptachlor	PESTICIDE	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	NA	100
Heptachlor Epoxide	PESTICIDE	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	NA	20
Methoxychlor	PESTICIDE	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	NA	***
Mitotane	PESTICIDE	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	NA	NA
Parathion	PESTICIDE	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	NA	1,200
Polychlorinated Biphenyls (PCBs)	PESTICIDE	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	NA	1,000-10,000
Toxaphene	PESTICIDE	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	NA	NA
Unit		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/kg	mg/kg
Aluminum, Al	METAL	8591	8709	3744	10560	9308	18452	11367	661	8073	6402	33,000	SB
Antimony, Sb	METAL	1.68	1.56	<0.1	0.744	0.228	1.02	<0.1	<0.1	3.72	1.14	NA	SB
Arsenic, As	METAL	3.32	**24.8**	1.12	2.7	0.654	3.3	1.29	2.74	4.77	5.17	3.0-12	7.5 or SB
Barium, Ba	METAL	222	394	23.4	102	62.5	42.5	44.1	93.5	207	207	15-600	300 or SB
Beryllium, Be	METAL	0.371	0.365	0.192	0.462	0.392	0.453	0.48	0.37	0.37	0.4	0-1.75	.16 or SB
Cadmium, Cd	METAL	**1.41**	**3.01**	0.515	**1.34**	**1.02**	**1.28**	0.95	0.58	**1.93**	0.54	0.1-1	1 or SB
Calcium, Ca	METAL	18511	29600	1635	6728	1436	882	1894	3179	29969	13386	130-35,000	SB
Chromium, Cr	METAL	19.1	18.7	9.41	18.7	16.7	21.2	16.5	14.5	18.2	11.7	1.5-40	10 or SB
Cobalt, Co	METAL	6.57	5.4	3.53	7.09	7.1	8.91	7.27	5.61	5.34	6.68	2.5-60	30 or SB
Copper, Cu	METAL	**53.2**	**146**	9.65	36.5	17.4	17.1	12.8	**85.2**	**64.2**	**54.2**	1.0-50	25 or SB
Iron, Fe	METAL	15413	19140	9103	16630	18362	23513	17262	10133	16921	9252	2,000-550,000	2,000 or SB
Lead, Pb	METAL	367	**801**	6.54	170	4.97	12.6	12.1	127	**627**	183	4.0-61 or 200-500	SB
Magnesium, Mg	METAL	3112	3892	1428	2384	2113	2483	2059	1175	4174	835	100-5,000	SB
Manganese, Mn	METAL	320	300	242	401	514	248	450	200	348	145	50-5,000	SB
Mercury, Hg	METAL	**0.45**	**4.43**	<0.1	**0.259**	<0.1	<0.1	<0.1	**0.839**	**0.447**	**0.708**	0.001-0.2	.1 or SB
Nickel, Ni	METAL	14.6	**25.3**	10.9	15.9	21.6	14.9	15.8	13.8	15.2	14.4	0.5-25	13 or SB
Potassium, K	METAL	1165	1250	606	948	883	1040	813	668	1268	718	8,500-43,000	SB
Selenium, Se	METAL	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1-3.9	2 or SB
Silver, Ag	METAL	<0.1	0.186	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.35	0.22	NA	SB
Sodium, Na	METAL	204	333	90.6	132	102	67.5	180	246	1018	644	6,000-8,000	SB
Thallium, Ti	METAL	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.19	<0.1	NA	SB
Vanadium, V	METAL	26.1	25	12.7	26.4	28.3	40.6	27.2	31.2	23.7	21.2	1-300	150 or SB
Zinc, Zn	METAL	**251**	**459**	23.7	**156**	28.7	40.1	32.6	**57.3**	**272**	**84**	9.0-50	20 or SB

ug/kg = micrograms per kilogram (ppb)
mg/kg = milligrams per kilogram (ppm)
ug/L = micrograms per liter
mg/L = milligrams per liter

Plate 1: Project Location Map

Tax Map Designation:
(Block 1801, Lot 8)

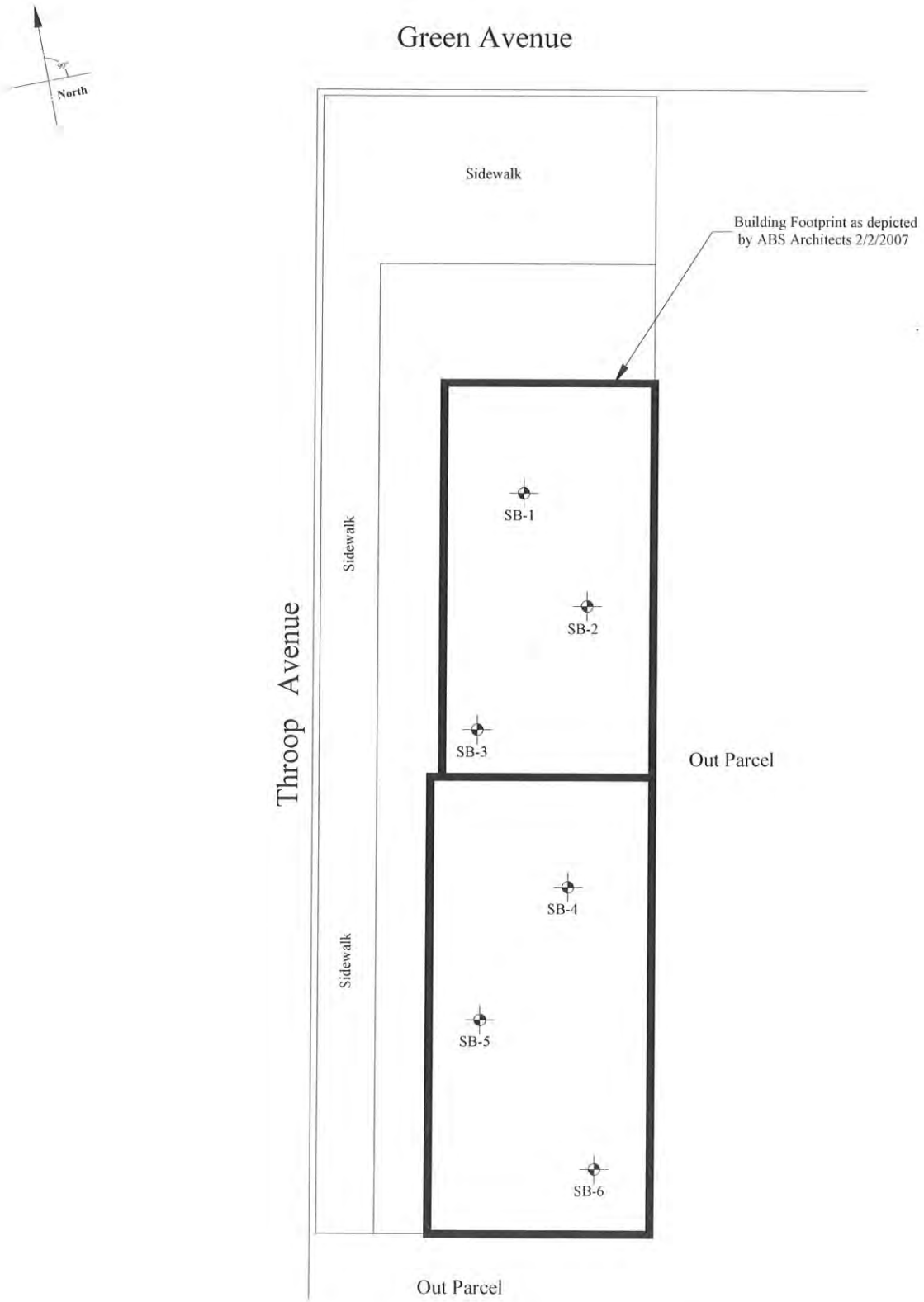
666 Greene Avenue
Brooklyn, New York

IMPACT ENVIRONMENTAL

170 KEYLAND COURT
BOHEMIA, NEW YORK 11716
TEL (631) 269-8800 FAX (631) 269-1599

1560 BROADWAY, SUITE 1024
NEW YORK, NEW YORK 10036
TEL (212) 201-7905 FAX (212) 201-7906

New York State Geographic Information System
2001 Half Foot Natural Color Long Island Zone



Basemap Adapted from ABS Architects & CA Rich

IMPACT ENVIRONMENTAL
170 KEYLAND COURT
BOHEMIA, NEW YORK 11716
TEL (631) 269-8800 FAX (631) 269-1599

1560 BROADWAY, SUITE 1024
NEW YORK, NEW YORK 10036
TEL (212) 201-7905 FAX (212) 201-7906

TITLE: Sample Acquisition Plan

PROJECT #	1738-1-04-1108
PLATE #	02

666 Green Avenue, Brooklyn, New York

DRAWN BY:	JC
CHECKED BY:	KK
DATE:	4/6/2009
SCALE:	1" = 10'

LEGEND:
Soil Probe Location

APPENDIX A:

Soil Probe Logs

Impact Environmental Soil Boring Log	Probe Code:	SP-1
Site Location: 666 Greene Ave, Brooklyn, New York	**Installer: EC**	
Job Number: 1738-1-04-1108	**Installation Method: Geoprobe**	
Client: ELH Management	**Installation Date: 3/10/2009**	
Location Description: ***(Block 1801, Lot 8)***	**Geologist: JC**	

Depth BEG (ft.)	Soil Type	Soil Color	PID Reading	Comments
0'-2'	Corse Sand	Light Brown	0.7	no stains or odor
2'-4'	Concrete & Demolition Debris	N/A	N/A	Brick, Concrete & Demolition Debris
4'-6'	Concrete & Demolition Debris	N/A	N/A	Brick, Concrete & Demolition Debris
6'-8'	Concrete & Demolition Debris	N/A	N/A	Brick, Concrete & Demolition Debris
8'-10'	Clay	Dark Brown	22.7	no stains or odor
10'-12'	Clay	Light Brown	0	no stains or odor
38'-40'	Fine Sand	Light Green	0.9	no stains or odor

Impact Environmental Soil Boring Log	Probe Code:	SP-2
Site Location: 666 Greene Ave, Brooklyn, New York	**Installer: EC**	
Job Number: 1738-1-04-1108	**Installation Method: Geoprobe**	
Client: ELH Management	**Installation Date: 3/10/2009**	
Location Description: *(Block 1801, Lot 8)*	**Geologist: JC**	

Depth BEG (ft.)	Soil Type	Soil Color	PID Reading	Comments
0'-2'	Medium Sand	Light and Dark Brown	1.2	no stains or odor

Impact Environmental Soil Boring Log	Probe Code:	SP-3
Site Location: 666 Greene Ave, Brooklyn, New York	**Installer: EC**	
Job Number: 1738-1-04-1108	**Installation Method: Geoprobe**	
Client: ELH Management	**Installation Date: 3/10/2009**	
Location Description: *(Block 1801, Lot 8)*	**Geologist: JC**	

Depth BEG (ft.)	Soil Type	Soil Color	PID Reading	Comments
0'-2'	Corse Sand	Light and Medium Brown	0	no stains or odor
2'-4'	Concrete & Demolition Debris	N/A	0	no stains or odor
4'-6'	Concrete & Demolition Debris	N/A	0.5	no stains or odor
6'-8'	Concrete & Demolition Debris	Reddish Brown	0.8	no stains or odor
8'-10'	Clay	Brown	0	no stains or odor

Impact Environmental Soil Boring Log	Probe Code:	SP-4
Site Location: 666 Greene Ave, Brooklyn, New York,	**Installer: EC**	
Job Number: 1738-1-04-1108	**Installation Method: Geoprobe**	
Client: ELH Management	**Installation Date: 3/10/2009**	
Location Description: ***(Block 1801, Lot 8)***	**Geologist: JC**	

Depth BEG (ft.)	Soil Type	Soil Color	PID Reading	Comments
0'-2'	Fine Sand	Medium Brown	0	no stains or odor

Impact Environmental Soil Boring Log	Probe Code:	SP-5
Site Location: 666 Greene Ave, Brooklyn, New York,	Installer: EC	
Job Number: 1738-1-04-1108	Installation Method: Geoprobe	
Client: ELH Management	Installation Date: 3/10/2009	
Location Description: *(Block 1801, Lot 8)*	Geologist: JC	

Depth BEG (ft.)	Soil Type	Soil Color	PID Reading	Comments
0'-2'	Medium Soil	Dark Brown	0	no stains or odor, traces of construction debris

Impact Environmental Soil Boring Log	Probe Code:	SP-6
Site Location: 666 Greene Ave, Brooklyn, New York,	**Installer: EC**	
Job Number: 1738-1-04-1108	**Installation Method: Geoprobe**	
Client: ELH Management	**Installation Date: 3/10/2009**	
Location Description: ***(Block 1801, Lot 8)***	**Geologist: JC**	

Depth BEG (ft.)	Soil Type	Soil Color	PID Reading	Comments
0'-2'	Corse Sand	Dark Brown	0.5	no stains or odor
2'-4'	Concrete & Demolition Debris	N/A	0	no stains or odor
4'-6'	Concrete & Demolition Debris	N/A	0	no stains or odor
6'-8'	Concrete & Demolition Debris	Reddish Brown	1.7	no stains or odor
8'-10'	Clay	Light Grey	1.7	no stains or odor

APPENDIX B:

Quality Assurance and Quality Control Procedures (QA/QC)

Quality Assurance and Quality Control Procedures (QA/QC)

The following sampling QA/QC protocol is in accordance with the United States Environmental Protection Agency's (USEPA) accepted sampling procedures for hazardous waste streams [Municipal Research Laboratory, 1980, Sampling and Analysis Procedures for Hazardous Material Waste Streams, Office of Emergency and Remedial Response, Cincinnati, Ohio. EPA-600/280-018] and American Society of Testing and Material's (ASTM's) Sampling Procedures.

A. Sampling Personnel

The activities associated with the survey, sampling and analysis plan were performed by or under the auspices of a USEPA Office of Emergency and Remedial Response, Certified Sampler for Hazardous Materials. The sample staff (samplers) possessed a minimum of a B.A. Degree in the Earth, Space or Biological Sciences or a B.S. Degree in Engineering. Samplers had a minimum of one (1) year experience in environmental/geological field work. Additionally, all samplers had received mandatory forty-hour Occupational Safety and Health Administration (OSHA) training on working with potentially hazardous materials and appropriate Hazard Communication Program and "Right-To-Know" training.

B. Sampling Equipment

Separate QA/QC measures were implemented for each of the instruments used in the performance of the SAP.

B.1 Geoprobe

Prior to arrival on the Site and between sample locations, the probes were decontaminated by washing them with a detergent (Alconox) and potable water solution and rinsing them with distilled water.

B.2 Photo Ionization Detector

Calibration of the PID was conducted prior to sampling using a span gas of known concentration. The PID was a Photovac Micro-Tip, photo ionization detection meter.

B.3 Sample Vessels

All sample vessels were "level A" certified decontaminated containers supplied by a New York State Certified Commercial Laboratory. Samples analyzed for hydrocarbons were placed in containers with

Teflon lined caps. All samples were preserved by cooling them to a temperature of approximately four degrees Celsius.

C. Sample Documentation

A sample represents physical evidence. An essential part of liability reduction is the proper control of gathered evidence. To establish proper control, the following sample identification and chain-of custody procedures were followed.

C.1 Sample Identification

Sample identification was executed by use of a sample tag, log book and chain-of-custody form. Said documentation provided the following information: 1) the project code; 2) the sample laboratory number; 3) the sample preservation; 4) instrument used for source sample grabs; 5) the composite medium used for source sample grabs; 6) the date the sample was secured from the source media; 7) the time the sample was secured from the source media; and 8) the person who secured the sample from the source media.

C.2 Chain-of-Custody Procedures

Due to the evidential nature of samples, possession was traceable from the time the samples were collected until they were received by the testing laboratory. A sample was considered under custody if it: was in a person's possession; it was in a person's view, after being in possession; if it was in a person's possession and they locked it up; or, it was in a designated secure area. When transferring custody, the individuals relinquishing and receiving the samples signed, dated and noted the time on the Chain-of-Custody Form.

C. 3 Laboratory-Custody Procedures

A designated sample custodian accepted custody of the shipped samples and verified that the information on the sample tags matched that on the Chain-of-Custody Records. Pertinent information as to shipment, pick-up, courier, etc., were entered in the "remarks" section. The custodian entered the sample tag data into a bound logbook.

The laboratory custodian used the sample tag number, or assigned a unique laboratory number to each sample tag, and assured that all samples were transferred to the proper analyst or stored in the

appropriate source area. The laboratory custodian distributed samples to the appropriate analysts. Laboratory personnel were responsible for the care and custody of samples, from the time they were received, until the sample was exhausted or returned to the sample custodian. All identifying data sheets and laboratory records were retained as part of the permanent documentation. Samples received by the laboratory were retained until after analysis and quality assurance checks were completed.

APPENDIX C:

Laboratory Report, JMS Environmental Services, Inc.

JMS Environmental Services, Inc.
WATER, SOIL AND AIR ANALYSIS
41 Kenosia Avenue
Danbury, Connecticut 06810 | Telephone 203-798-2229

Analytical Report

Impact Environmental: 1738
170 Keyland Ct
Bohemia, NY 11716

Report Date: 3/17/2009

JMS Environmental Services, Inc.
WATER, SOIL AND AIR ANALYSIS
41 Kenosia Avenue
Danbury, Connecticut 06810 | Telephone 203-798-2229

Impact Environmental: 1738

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct
City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information:
Name: Erik Curran
Address of site: 666 Green Ave
City: Not Specified
State: NY **Zip:**
Phone:

JMS ID: 080121

Sample's Information: **Sample ID:** SB1

Site: 0-2'
Preservative: N/A
Temperature:
Matrix: Soil

Date Collected: 3/10/2009
Time Collected: 12:00:00 PM

Date Received: 3/11/2009
Time Received: 5:10:00 PM
Lab No.: J0901583

Date Analyzed	Test Name	Result	MCL	Method
03/12/09	1,1,1,2-tetrachloroethane	<5 ppb		EPA 8260
03/12/09	1,1,1-Trichloroethane	<5 ppb		EPA 8260
03/12/09	1,1,2,2-Tetrachloroethane	<5 ppb		EPA 8260
03/12/09	1,1,2-Trichloroethane	<5 ppb		EPA 8260
03/12/09	1,1-Dichloroethane	<5 ppb		EPA 8260
03/12/09	1,1-Dichloroethene	<5 ppb		EPA 8260
03/12/09	1,1-Dichloropropene	<5 ppb		EPA 8260
03/12/09	1,2,3-Trichlorobenzene	<5 ppb		EPA 8260
03/12/09	1,2,3-Trichloropropane	<5 ppb		EPA 8260
03/12/09	1,2,4,5-tetramethylbenzene	<5 ppb		EPA 8260
03/12/09	1,2,4-Trichlorobenzene	<5 ppb		EPA 8260
03/12/09	1,2,4-Trimethylbenzene	<5 ppb		EPA 8260
03/12/09	1,2-Dibromo-3-Chloropropane	<5 ppb		EPA 8260
03/12/09	1,2-Dibromoethane	<5 ppb		EPA 8260
03/12/09	1,2-Dichlorobenzene	<5 ppb		EPA 8260
03/12/09	1,2-Dichloroethane	<5 ppb		EPA 8260
03/12/09	1,2-Dichloropropane	<5 ppb		EPA 8260
03/12/09	1,3,5-Trimethylbenzene	<5 ppb		EPA 8260
03/12/09	1,3-Dichlorobenzene	<5 ppb		EPA 8260
03/12/09	1,3-Dichloropropane	<5 ppb		EPA 8260
03/12/09	1,3-Dichloropropene(cis and tran	<5 ppb		EPA 8260
03/12/09	1,4-Dichlorobenzene	<5 ppb		EPA 8260
03/12/09	1,4-dioxane	<5 ppb		EPA 8260
03/12/09	2,2-Dichloropropane	<5 ppb		EPA 8260
03/12/09	2-Butanone (MEK)	<5 ppb		EPA 8260
03/12/09	2-Chlorotoluene	<5 ppb		EPA 8260
03/12/09	2-Hexanone	<5 ppb		EPA 8260
03/12/09	4-Chlorotoluene	<5 ppb		EPA 8260
03/12/09	4-Methyl-2-pentanone (MIBK)	<5 ppb		EPA 8260
03/12/09	Acetone	<5 ppb		EPA 8260
03/12/09	Acrylonitrile	<5 ppb		EPA 8260

JMS Environmental Services, Inc.
WATER, SOIL AND AIR ANALYSIS
41 Kenosia Avenue
Danbury, Connecticut 06810 | Telephone 203-798-2229

Impact Environmental: 1738

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct
City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information:
Name: Erik Curran
Address of site: 666 Green Ave
City: Not Specified
State: NY **Zip:**
Phone:

JMS ID: 080121

Sample's Information: **Sample ID:** SB1

Site: 0-2'
Preservative: N/A
Temperature:
Matrix: Soil

Date Collected: 3/10/2009
Time Collected: 12:00:00 PM

Date Received: 3/11/2009
Time Received: 5:10:00 PM
Lab No.: J0901583

Date Analyzed	Test Name	Result	MCL	Method
03/12/09	Benzene	<5 ppb		EPA 8260
03/12/09	Bromobenzene	<5 ppb		EPA 8260
03/12/09	Bromochloromethane	<5 ppb		EPA 8260
03/12/09	Bromodichloromethane	<5 ppb		EPA 8260
03/12/09	Bromoform	<5 ppb		EPA 8260
03/12/09	Bromomethane	<5 ppb		EPA 8260
03/12/09	Carbon disulfide	<5 ppb		EPA 8260
03/12/09	Carbon tetrachloride	<5 ppb		EPA 8260
03/12/09	Chlorobenzene	<5 ppb		EPA 8260
03/12/09	Chlorodibromomethane	<5 ppb		EPA 8260
03/12/09	Chloroethane	<5 ppb		EPA 8260
03/12/09	Chloroform	<5 ppb		EPA 8260
03/12/09	Chloromethane	<5 ppb		EPA 8260
03/12/09	cis-1,2-Dichloroethene	<5 ppb		EPA 8260
03/12/09	cis-1,3-Dichloropropene	<5 ppb		EPA 8260
03/12/09	Dibromoethane	<5 ppb		EPA 8260
03/12/09	Dichlorodifluoromethane	<5 ppb		EPA 8260
03/12/09	Ethylbenzene	<5 ppb		EPA 8260
03/12/09	Freon 113	<5 ppb		EPA 8260
03/12/09	Isopropylbenzene	<5 ppb		EPA 8260
03/12/09	Methyl isobutyl ketone (MIBK)	<5 ppb		EPA 8260
03/12/09	Methylene Chloride	<5 ppb		EPA 8260
03/12/09	Methyl-tert-butyl-ether	<5 ppb		EPA 8260
03/12/09	n-Butylbenzene	<5 ppb		EPA 8260
03/12/09	n-Propylbenzene	<5 ppb		EPA 8260
03/12/09	p-Diethylbenzene	<5 ppb		EPA 8260
03/12/09	p-Ethyltoluene	<5 ppb		EPA 8260
03/12/09	p-Isopropyltoluene	<5 ppb		EPA 8260
03/12/09	sec-Butylbenzene	<5 ppb		EPA 8260
03/12/09	Styrene	<5 ppb		EPA 8260
03/12/09	tert-Butylbenzene	<5 ppb		EPA 8260

JMS Environmental Services, Inc.
WATER, SOIL AND AIR ANALYSIS
41 Kenosia Avenue
Danbury, Connecticut 06810 | Telephone 203-798-2229

Impact Environmental: 1738

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct
City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information:
Name: Erik Curran
Address of site: 666 Green Ave
City: Not Specified
State: NY **Zip:**
Phone:

JMS ID: 080121

Sample's Information: **Sample ID:** SB1

Site: 0-2'
Preservative: N/A
Temperature:
Matrix: Soil

Date Collected: 3/10/2009
Time Collected: 12:00:00 PM

Date Received: 3/11/2009
Time Received: 5:10:00 PM
Lab No.: J0901583

Date Analyzed	Test Name	Result	MCL	Method
03/12/09	Tetrachloroethene	<5 ppb		EPA 8260
03/12/09	Toluene	<5 ppb		EPA 8260
03/12/09	Total Xylenes	<5 ppb		EPA 8260
03/12/09	trans-1,2-Dichloroethene	<5 ppb		EPA 8260
03/12/09	trans-1,3-Dichloropropene	<5 ppb		EPA 8260
03/12/09	Trichloroethene	<5 ppb		EPA 8260
03/12/09	Trichlorofluoromethane	<5 ppb		EPA 8260
03/12/09	Vinyl Acetate	<5 ppb		EPA 8260
03/12/09	Vinyl chloride	<5 ppb		EPA 8260
03/13/09	2,4,5-Trichlorophenol	<330 ppb		EPA 8270
03/13/09	2,4,6-Trichlorophenol	<330 ppb		EPA 8270
03/13/09	2,4-Dichlorophenol	<330 ppb		EPA 8270
03/13/09	2,4-Dimethylphenol	<330 ppb		EPA 8270
03/13/09	2,4-Dinitrophenol	<330 ppb		EPA 8270
03/13/09	2,4-Dinitrotoluene	<330 ppb		EPA 8270
03/13/09	2,6-Dinitrotoluene	<330 ppb		EPA 8270
03/13/09	2-Chloronaphthalene	<330 ppb		EPA 8270
03/13/09	2-Chlorophenol	<330 ppb		EPA 8270
03/13/09	2-Methylnaphthalene	<330 ppb		EPA 8270
03/13/09	2-Methylphenol (o-Cresol)	<330 ppb		EPA 8270
03/13/09	2-Nitroaniline	<330 ppb		EPA 8270
03/13/09	2-Nitrophenol	<330 ppb		EPA 8270
03/13/09	3,3'-Dichlorobenzidine	<330 ppb		EPA 8270
03/13/09	3-Nitroaniline	<330 ppb		EPA 8270
03/13/09	4,6-Dinitro-2-methylphenol	<330 ppb		EPA 8270
03/13/09	4-Bromophenyl Phenyl Ether	<330 ppb		EPA 8270
03/13/09	4-Chloro-3-Methylphenol	<330 ppb		EPA 8270
03/13/09	4-Chloroaniline	<330 ppb		EPA 8270
03/13/09	4-Chlorophenylphenyl ether	<330 ppb		EPA 8270
03/13/09	4-Methylphenol (p-Cresol)	<330 ppb		EPA 8270
03/13/09	4-Nitroaniline	<330 ppb		EPA 8270

JMS Environmental Services, Inc.
WATER, SOIL AND AIR ANALYSIS
41 Kenosia Avenue
Danbury, Connecticut 06810 | Telephone 203-798-2229

Impact Environmental: 1738

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct
City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information:
Name: Erik Curran
Address of site: 666 Green Ave
City: Not Specified
State: NY **Zip:**
Phone:

JMS ID: 080121

Sample's Information: **Sample ID:** SB1

Site: 0-2'
Preservative: N/A
Temperature:
Matrix: Soil

Date Collected: 3/10/2009
Time Collected: 12:00:00 PM

Date Received: 3/11/2009
Time Received: 5:10:00 PM
Lab No.: J0901583

Date Analyzed	Test Name	Result	MCL	Method
03/13/09	4-Nitrophenol	<330 ppb		EPA 8270
03/13/09	Acenaphthene	<330 ppb		EPA 8270
03/13/09	Acenaphthylene	<330 ppb		EPA 8270
03/13/09	Aniline	<330 ppb		EPA 8270
03/13/09	Anthracene	561 ppb		EPA 8270
03/13/09	Benzo(a)anthracene	1912 ppb		EPA 8270
03/13/09	Benzo(a)pyrene	1701 ppb		EPA 8270
03/13/09	Benzo(b)fluoranthene	1439 ppb		EPA 8270
03/13/09	Benzo(g,h,i)perylene	735 ppb		EPA 8270
03/13/09	Benzo(k)fluoranthene	<330 ppb		EPA 8270
03/13/09	Benzyl Alcohol	<330 ppb		EPA 8270
03/13/09	bis(2-Chloroethoxy)methane	<330 ppb		EPA 8270
03/13/09	bis(2-Chloroethyl) ether	<330 ppb		EPA 8270
03/13/09	bis(2-Chloroisopropyl) ether	<330 ppb		EPA 8270
03/13/09	bis(2-ethylhexyl)phthalate	<330 ppb		EPA 8270
03/13/09	Benzyl Butyl Phthalate	<330 ppb		EPA 8270
03/13/09	Chrysene	1936 ppb		EPA 8270
03/13/09	Dibenz(a,h)anthracene	353 ppb		EPA 8270
03/13/09	Dibenzofuran	<330 ppb		EPA 8270
03/13/09	Diethyl Phthalate	<330 ppb		EPA 8270
03/13/09	Dimethyl Phthalate	<330 ppb		EPA 8270
03/13/09	Di-N-Butylyphthalate	<330 ppb		EPA 8270
03/13/09	Dinitrotoluene(2,4-/2,6-)	<330 ppb		EPA 8270
03/13/09	Di-n-octyl phthalate	<330 ppb		EPA 8270
03/13/09	Fluoranthene	3751 ppb		EPA 8270
03/13/09	Fluorene	<330 ppb		EPA 8270
03/13/09	Hexachlorobenzene	<330 ppb		EPA 8270
03/13/09	Hexachlorocyclopentadiene	<330 ppb		EPA 8270
03/13/09	Hexachlorobutadiene	<330 ppb		EPA 8270
03/13/09	Hexachloroethane	<330 ppb		EPA 8270
03/13/09	Indeno(1,2,3-cd)pyrene	674 ppb		EPA 8270

JMS Environmental Services, Inc.
WATER, SOIL AND AIR ANALYSIS
41 Kenosia Avenue
Danbury, Connecticut 06810 | Telephone 203-798-2229

Impact Environmental: 1738

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct
City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information:
Name: Erik Curran
Address of site: 666 Green Ave
City: Not Specified
State: NY **Zip:**
Phone:

JMS ID: 080121

Sample's Information: **Sample ID:** SB1

Site: 0-2'
Preservative: N/A
Temperature:
Matrix: Soil

Date Collected: 3/10/2009
Time Collected: 12:00:00 PM

Date Received: 3/11/2009
Time Received: 5:10:00 PM
Lab No.: J0901583

Date Analyzed	Test Name	Result	MCL	Method
03/13/09	Isophorone	<330 ppb		EPA 8270
03/13/09	m-Cresol	<330 ppb		EPA 8270
03/13/09	Naphthalene	<330 ppb		EPA 8270
03/13/09	Nitrobenzene	<330 ppb		EPA 8270
03/13/09	n-Nitrosodi-n-propylamine	<330 ppb		EPA 8270
03/13/09	n-Nitrosodiphenylamine	<330 ppb		EPA 8270
03/13/09	Pentachlorophenol	<330 ppb		EPA 8270
03/13/09	Phenanthrene	1754 ppb		EPA 8270
03/13/09	Phenol	<330 ppb		EPA 8270
03/13/09	Pyrene	3131 ppb		EPA 8270
03/12/09	4,4'-DDD	<2 ppb	N/A	EPA 8081
03/12/09	4,4'-DDE	<2 ppb	N/A	EPA 8081
03/12/09	4,4'-DDT	<2 ppb	N/A	EPA 8081
03/12/09	Aldrin	<2 ppb	N/A	EPA 8081
03/12/09	a-BHC	<2 ppb	N/A	EPA 8081
03/12/09	Arochlor 1016	<50 ppb		SW 8082
03/12/09	Arochlor 1221	<50 ppb		SW 8082
03/12/09	Arochlor 1232	<50 ppb		SW 8082
03/12/09	Arochlor 1242	<50 ppb		SW 8082
03/12/09	Arochlor 1248	<50 ppb		SW 8082
03/12/09	Arochlor 1254	<50 ppb		SW 8082
03/12/09	Arochlor 1260	<50 ppb		SW 8082
03/12/09	b-BHC	<2 ppb	N/A	EPA 8081
03/12/09	Chlordane, alpha	<2 ppb	N/A	EPA 8081
03/12/09	d-BHC	<2 ppb	N/A	EPA 8081
03/12/09	Dieldrin	<2 ppb	N/A	EPA 8081
03/12/09	Endosulfan	<2 ppb	N/A	EPA 8081
03/12/09	Endosulfan I	<2 ppb	N/A	EPA 8081
03/12/09	Endosulfan II	<2 ppb	N/A	EPA 8081
03/12/09	Endosulfan Sulfate	<2 ppb	N/A	EPA 8081
03/12/09	Endrin	<2 ppb	N/A	EPA 8081

JMS Environmental Services, Inc.
WATER, SOIL AND AIR ANALYSIS
41 Kenosia Avenue
Danbury, Connecticut 06810 | Telephone 203-798-2229

Impact Environmental: 1738

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct
City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information:
Name: Erik Curran
Address of site: 666 Green Ave
City: Not Specified
State: NY **Zip:**
Phone:

JMS ID: 080121

Sample's Information: **Sample ID:** SB1

Site: 0-2'
Preservative: N/A
Temperature:
Matrix: Soil

Date Collected: 3/10/2009
Time Collected: 12:00:00 PM

Date Received: 3/11/2009
Time Received: 5:10:00 PM
Lab No.: J0901583

Date Analyzed	Test Name	Result	MCL	Method
03/12/09	Endrin Aldehyde	<2 ppb	N/A	EPA 8081
03/12/09	Endrin Ketone	<2 ppb	N/A	EPA 8081
03/12/09	g-BHC	<2 ppb	N/A	EPA 8081
03/12/09	Heptachlor	<2 ppb	N/A	EPA 8081
03/12/09	Heptachlor epoxide	<2 ppb	N/A	EPA 8081
03/12/09	Methoxychlor	<2 ppb	N/A	EPA 8081
03/12/09	Mitotane	<2 ppb	N/A	EPA 8081
03/12/09	Parathion	<30 ppb	N/A	EPA 8081
03/12/09	Polychlorinated biphenyls (PCBs	<50 ppb		SW 8082
03/12/09	Toxaphene	<100 ppb	N/A	EPA 8081
03/13/09	Aluminum	8591 ppm	N/A	6010/E200.7
03/13/09	Antimony	1.68 ppm	N/A	6010/E200.7
03/13/09	Arsenic	3.32 ppm	N/A	6010/E200.7
03/13/09	Barium	222 ppm	N/A	6010/E200.7
03/13/09	Beryllium	0.371 ppm	N/A	6010/E200.7
03/13/09	Cadmium	1.41 ppm	N/A	6010/E200.7
03/13/09	Calcium	18511 ppm	N/A	6010/E200.7
03/13/09	Chromium	19.1 ppm	N/A	6010/E200.7
03/13/09	Chromium, Trivalent	19.1 ppm	N/A	6010/E200.7
03/13/09	Cobalt	6.57 ppm	N/A	6010/E200.7
03/13/09	Copper	53.2 ppm	N/A	6010/E200.7
03/13/09	Iron	15413 ppm	N/A	6010/E200.7
03/13/09	Lead	367 ppm	N/A	6010/E200.7
03/13/09	Magnesium	3112 ppm	N/A	6010/E200.7
03/13/09	Manganese	320 ppm	N/A	6010/E200.7
03/12/09	Mercury	0.45 ppm	N/A	SW-7471
03/13/09	Nickel	14.6 ppm	N/A	6010/E200.7
03/13/09	Potassium	1165 ppm	N/A	6010/E200.7
03/13/09	Selenium	<0.1 ppm	N/A	6010/E200.7
03/13/09	Silver	<0.1 ppm	N/A	6010/E200.7
03/13/09	Sodium	204 ppm	N/A	6010/E200.7

JMS Environmental Services, Inc.
WATER, SOIL AND AIR ANALYSIS
41 Kenosia Avenue
Danbury, Connecticut 06810 | Telephone 203-798-2229

Impact Environmental: 1738

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct
City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information:
Name: Erik Curran
Address of site: 666 Green Ave
City: Not Specified
State: NY **Zip:**
Phone:

JMS ID: 080121

Sample's Information: **Sample ID:** SB1

Site: 0-2'
Preservative: N/A
Temperature:
Matrix: Soil

Date Collected: 3/10/2009
Time Collected: 12:00:00 PM

Date Received: 3/11/2009
Time Received: 5:10:00 PM
Lab No.: J0901583

Date Analyzed	Test Name	Result	MCL	Method
03/13/09	Thallium	<0.1 ppm	N/A	6010/E200.7
03/13/09	Vanadium	26.1 ppm	N/A	6010/E200.7
03/13/09	Zinc	251 ppm	N/A	6010/E200.7

MCL = Maximum Contaminant Level **N/A = Not Applicable** **ppb = parts per billion**
ppm = parts per million

Signature: Michael Lapman
Michael Lapman
President

Reviewed By: Sharon Houlahan
Sharon Houlahan, Director

State #: PH-0218 ELAP #: 11715 Ref Lab: 11301,

JMS Environmental Services, Inc.
WATER, SOIL AND AIR ANALYSIS
41 Kenosia Avenue
Danbury, Connecticut 06810 | Telephone 203-798-2229

Impact Environmental: 1738

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct
City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information:
Name: Erik Curran
Address of site: 666 Green Ave
City: Not Specified
State: NY **Zip:**
Phone:

JMS ID: 080122

Sample's Information: **Sample ID:** SB1

Site: 10'
Preservative: N/A
Temperature:
Matrix: Soil

Date Collected: 3/10/2009
Time Collected: 12:00:00 PM

Date Received: 3/11/2009
Time Received: 5:10:00 PM
Lab No.: J0901584

Date Analyzed	Test Name	Result	MCL	Method
03/12/09	1,1,1,2-tetrachloroethane	<5 ppb		EPA 8260
03/12/09	1,1,1-Trichloroethane	<5 ppb		EPA 8260
03/12/09	1,1,2,2-Tetrachloroethane	<5 ppb		EPA 8260
03/12/09	1,1,2-Trichloroethane	<5 ppb		EPA 8260
03/12/09	1,1-Dichloroethane	<5 ppb		EPA 8260
03/12/09	1,1-Dichloroethene	<5 ppb		EPA 8260
03/12/09	1,1-Dichloropropene	<5 ppb		EPA 8260
03/12/09	1,2,3-Trichlorobenzene	<5 ppb		EPA 8260
03/12/09	1,2,3-Trichloropropane	<5 ppb		EPA 8260
03/12/09	1,2,4,5-tetramethylbenzene	<5 ppb		EPA 8260
03/12/09	1,2,4-Trichlorobenzene	<5 ppb		EPA 8260
03/12/09	1,2,4-Trimethylbenzene	<5 ppb		EPA 8260
03/12/09	1,2-Dibromo-3-Chloropropane	<5 ppb		EPA 8260
03/12/09	1,2-Dibromoethane	<5 ppb		EPA 8260
03/12/09	1,2-Dichlorobenzene	<5 ppb		EPA 8260
03/12/09	1,2-Dichloroethane	<5 ppb		EPA 8260
03/12/09	1,2-Dichloropropane	<5 ppb		EPA 8260
03/12/09	1,3,5-Trimethylbenzene	<5 ppb		EPA 8260
03/12/09	1,3-Dichlorobenzene	<5 ppb		EPA 8260
03/12/09	1,3-Dichloropropane	<5 ppb		EPA 8260
03/12/09	1,3-Dichloropropene(cis and tran	<5 ppb		EPA 8260
03/12/09	1,4-Dichlorobenzene	<5 ppb		EPA 8260
03/12/09	1,4-dioxane	<5 ppb		EPA 8260
03/12/09	2,2-Dichloropropane	<5 ppb		EPA 8260
03/12/09	2-Butanone (MEK)	<5 ppb		EPA 8260
03/12/09	2-Chlorotoluene	<5 ppb		EPA 8260
03/12/09	2-Hexanone	<5 ppb		EPA 8260
03/12/09	4-Chlorotoluene	<5 ppb		EPA 8260
03/12/09	4-Methyl-2-pentanone (MIBK)	<5 ppb		EPA 8260
03/12/09	Acetone	<5 ppb		EPA 8260
03/12/09	Acrylonitrile	<5 ppb		EPA 8260

JMS Environmental Services, Inc.
WATER, SOIL AND AIR ANALYSIS
41 Kenosia Avenue
Danbury, Connecticut 06810 | Telephone 203-798-2229

Impact Environmental: 1738

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct
City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information:
Name: Erik Curran
Address of site: 666 Green Ave
City: Not Specified
State: NY **Zip:**
Phone:

JMS ID: 080122

Sample's Information: **Sample ID:** SB1

Site: 10'
Preservative: N/A
Temperature:
Matrix: Soil

Date Collected: 3/10/2009
Time Collected: 12:00:00 PM

Date Received: 3/11/2009
Time Received: 5:10:00 PM
Lab No.: J0901584

Date Analyzed	Test Name	Result	MCL	Method
03/12/09	Benzene	<5 ppb		EPA 8260
03/12/09	Bromobenzene	<5 ppb		EPA 8260
03/12/09	Bromochloromethane	<5 ppb		EPA 8260
03/12/09	Bromodichloromethane	<5 ppb		EPA 8260
03/12/09	Bromoform	<5 ppb		EPA 8260
03/12/09	Bromomethane	<5 ppb		EPA 8260
03/12/09	Carbon disulfide	<5 ppb		EPA 8260
03/12/09	Carbon tetrachloride	<5 ppb		EPA 8260
03/12/09	Chlorobenzene	<5 ppb		EPA 8260
03/12/09	Chlorodibromomethane	<5 ppb		EPA 8260
03/12/09	Chloroethane	<5 ppb		EPA 8260
03/12/09	Chloroform	<5 ppb		EPA 8260
03/12/09	Chloromethane	<5 ppb		EPA 8260
03/12/09	cis-1,2-Dichloroethene	<5 ppb		EPA 8260
03/12/09	cis-1,3-Dichloropropene	<5 ppb		EPA 8260
03/12/09	Dibromoethane	<5 ppb		EPA 8260
03/12/09	Dichlorodifluoromethane	<5 ppb		EPA 8260
03/12/09	Ethylbenzene	<5 ppb		EPA 8260
03/12/09	Freon 113	<5 ppb		EPA 8260
03/12/09	Isopropylbenzene	<5 ppb		EPA 8260
03/12/09	Methyl isobutyl ketone (MIBK)	<5 ppb		EPA 8260
03/12/09	Methylene Chloride	<5 ppb		EPA 8260
03/12/09	Methyl-tert-butyl-ether	<5 ppb		EPA 8260
03/12/09	n-Butylbenzene	<5 ppb		EPA 8260
03/12/09	n-Propylbenzene	<5 ppb		EPA 8260
03/12/09	p-Diethylbenzene	<5 ppb		EPA 8260
03/12/09	p-Ethyltoluene	<5 ppb		EPA 8260
03/12/09	p-Isopropyltoluene	<5 ppb		EPA 8260
03/12/09	sec-Butylbenzene	<5 ppb		EPA 8260
03/12/09	Styrene	<5 ppb		EPA 8260
03/12/09	tert-Butylbenzene	<5 ppb		EPA 8260

JMS Environmental Services, Inc.
WATER, SOIL AND AIR ANALYSIS
41 Kenosia Avenue
Danbury, Connecticut 06810 | Telephone 203-798-2229

Impact Environmental: 1738

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct
City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information:
Name: Erik Curran
Address of site: 666 Green Ave
City: Not Specified
State: NY **Zip:**
Phone:

JMS ID: 080122

Sample's Information: **Sample ID:** SB1

Site: 10'
Preservative: N/A
Temperature:
Matrix: Soil

Date Collected: 3/10/2009
Time Collected: 12:00:00 PM

Date Received: 3/11/2009
Time Received: 5:10:00 PM
Lab No.: J0901584

Date Analyzed	Test Name	Result	MCL	Method
03/12/09	Tetrachloroethene	<5 ppb		EPA 8260
03/12/09	Toluene	<5 ppb		EPA 8260
03/12/09	Total Xylenes	<5 ppb		EPA 8260
03/12/09	trans-1,2-Dichloroethene	<5 ppb		EPA 8260
03/12/09	trans-1,3-Dichloropropene	<5 ppb		EPA 8260
03/12/09	Trichloroethene	<5 ppb		EPA 8260
03/12/09	Trichlorofluoromethane	<5 ppb		EPA 8260
03/12/09	Vinyl Acetate	<5 ppb		EPA 8260
03/12/09	Vinyl chloride	<5 ppb		EPA 8260
03/13/09	2,4,5-Trichlorophenol	<330 ppb		EPA 8270
03/13/09	2,4,6-Trichlorophenol	<330 ppb		EPA 8270
03/13/09	2,4-Dichlorophenol	<330 ppb		EPA 8270
03/13/09	2,4-Dimethylphenol	<330 ppb		EPA 8270
03/13/09	2,4-Dinitrophenol	<330 ppb		EPA 8270
03/13/09	2,4-Dinitrotoluene	<330 ppb		EPA 8270
03/13/09	2,6-Dinitrotoluene	<330 ppb		EPA 8270
03/13/09	2-Chloronaphthalene	<330 ppb		EPA 8270
03/13/09	2-Chlorophenol	<330 ppb		EPA 8270
03/13/09	2-Methylnaphthalene	<330 ppb		EPA 8270
03/13/09	2-Methylphenol (o-Cresol)	<330 ppb		EPA 8270
03/13/09	2-Nitroaniline	<330 ppb		EPA 8270
03/13/09	2-Nitrophenol	<330 ppb		EPA 8270
03/13/09	3,3'-Dichlorobenzidine	<330 ppb		EPA 8270
03/13/09	3-Nitroaniline	<330 ppb		EPA 8270
03/13/09	4,6-Dinitro-2-methylphenol	<330 ppb		EPA 8270
03/13/09	4-Bromophenyl Phenyl Ether	<330 ppb		EPA 8270
03/13/09	4-Chloro-3-Methylphenol	<330 ppb		EPA 8270
03/13/09	4-Chloroaniline	<330 ppb		EPA 8270
03/13/09	4-Chlorophenylphenyl ether	<330 ppb		EPA 8270
03/13/09	4-Methylphenol (p-Cresol)	<330 ppb		EPA 8270
03/13/09	4-Nitroaniline	<330 ppb		EPA 8270

JMS Environmental Services, Inc.
WATER, SOIL AND AIR ANALYSIS
41 Kenosia Avenue
Danbury, Connecticut 06810 | Telephone 203-798-2229

Impact Environmental: 1738

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct
City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information:
Name: Erik Curran
Address of site: 666 Green Ave
City: Not Specified
State: NY **Zip:**
Phone:

JMS ID: 080122

Sample's Information: **Sample ID:** SB1

Site: 10'
Preservative: N/A
Temperature:
Matrix: Soil

Date Collected: 3/10/2009
Time Collected: 12:00:00 PM

Date Received: 3/11/2009
Time Received: 5:10:00 PM
Lab No.: J0901584

Date Analyzed	Test Name	Result	MCL	Method
03/13/09	4-Nitrophenol	<330 ppb		EPA 8270
03/13/09	Acenaphthene	<330 ppb		EPA 8270
03/13/09	Acenaphthylene	<330 ppb		EPA 8270
03/13/09	Aniline	<330 ppb		EPA 8270
03/13/09	Anthracene	<330 ppb		EPA 8270
03/13/09	Benzo(a)anthracene	<330 ppb		EPA 8270
03/13/09	Benzo(a)pyrene	<330 ppb		EPA 8270
03/13/09	Benzo(b)fluoranthene	<330 ppb		EPA 8270
03/13/09	Benzo(g,h,i)perylene	<330 ppb		EPA 8270
03/13/09	Benzo(k)fluoranthene	<330 ppb		EPA 8270
03/13/09	Benzyl Alcohol	<330 ppb		EPA 8270
03/13/09	bis(2-Chloroethoxy)methane	<330 ppb		EPA 8270
03/13/09	bis(2-Chloroethyl) ether	<330 ppb		EPA 8270
03/13/09	bis(2-Chloroisopropyl) ether	<330 ppb		EPA 8270
03/13/09	bis(2-ethylhexyl)phthalate	<330 ppb		EPA 8270
03/13/09	Benzyl Butyl Phthalate	<330 ppb		EPA 8270
03/13/09	Chrysene	<330 ppb		EPA 8270
03/13/09	Dibenz(a,h)anthracene	<330 ppb		EPA 8270
03/13/09	Dibenzofuran	<330 ppb		EPA 8270
03/13/09	Diethyl Phthalate	<330 ppb		EPA 8270
03/13/09	Dimethyl Phthalate	<330 ppb		EPA 8270
03/13/09	Di-N-Butylphthalate	<330 ppb		EPA 8270
03/13/09	Dinitrotoluene(2,4-/2,6-)	<330 ppb		EPA 8270
03/13/09	Di-n-octyl phthalate	<330 ppb		EPA 8270
03/13/09	Fluoranthene	<330 ppb		EPA 8270
03/13/09	Fluorene	<330 ppb		EPA 8270
03/13/09	Hexachlorobenzene	<330 ppb		EPA 8270
03/13/09	Hexachlorocyclopentadiene	<330 ppb		EPA 8270
03/13/09	Hexachlorobutadiene	<330 ppb		EPA 8270
03/13/09	Hexachloroethane	<330 ppb		EPA 8270
03/13/09	Indeno(1,2,3-cd)pyrene	<330 ppb		EPA 8270

JMS Environmental Services, Inc.
WATER, SOIL AND AIR ANALYSIS
41 Kenosia Avenue
Danbury, Connecticut 06810 | Telephone 203-798-2229

Impact Environmental: 1738

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct
City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information:
Name: Erik Curran
Address of site: 666 Green Ave
City: Not Specified
State: NY **Zip:**
Phone:

JMS ID: 080122

Sample's Information: **Sample ID:** SB1

Site: 10'
Preservative: N/A
Temperature:
Matrix: Soil

Date Collected: 3/10/2009
Time Collected: 12:00:00 PM

Date Received: 3/11/2009
Time Received: 5:10:00 PM
Lab No.: J0901584

Date Analyzed	Test Name	Result	MCL	Method
03/13/09	Isophorone	<330 ppb		EPA 8270
03/13/09	m-Cresol	<330 ppb		EPA 8270
03/13/09	Naphthalene	<330 ppb		EPA 8270
03/13/09	Nitrobenzene	<330 ppb		EPA 8270
03/13/09	n-Nitrosodi-n-propylamine	<330 ppb		EPA 8270
03/13/09	n-Nitrosodiphenylamine	<330 ppb		EPA 8270
03/13/09	Pentachlorophenol	<330 ppb		EPA 8270
03/13/09	Phenanthrene	<330 ppb		EPA 8270
03/13/09	Phenol	<330 ppb		EPA 8270
03/13/09	Pyrene	<330 ppb		EPA 8270
03/12/09	4,4'-DDD	<2 ppb	N/A	EPA 8081
03/12/09	4,4'-DDE	<2 ppb	N/A	EPA 8081
03/12/09	4,4'-DDT	<2 ppb	N/A	EPA 8081
03/12/09	Aldrin	<2 ppb	N/A	EPA 8081
03/12/09	a-BHC	<2 ppb	N/A	EPA 8081
	Arochlor 1016	<500 ppb		SW 8082
	Arochlor 1221	<500 ppb		SW 8082
	Arochlor 1232	<500 ppb		SW 8082
	Arochlor 1242	<500 ppb		SW 8082
	Arochlor 1248	<500 ppb		SW 8082
	Arochlor 1254	<500 ppb		SW 8082
	Arochlor 1260	<500 ppb		SW 8082
03/12/09	b-BHC	<2 ppb	N/A	EPA 8081
03/12/09	Chlordane, alpha	<2 ppb	N/A	EPA 8081
03/12/09	d-BHC	<2 ppb	N/A	EPA 8081
03/12/09	Dieldrin	<2 ppb	N/A	EPA 8081
03/12/09	Endosulfan	<2 ppb	N/A	EPA 8081
03/12/09	Endosulfan I	<2 ppb	N/A	EPA 8081
03/12/09	Endosulfan II	<2 ppb	N/A	EPA 8081
03/12/09	Endosulfan Sulfate	<2 ppb	N/A	EPA 8081
03/12/09	Endrin	<2 ppb	N/A	EPA 8081

JMS Environmental Services, Inc.
WATER, SOIL AND AIR ANALYSIS
41 Kenosia Avenue
Danbury, Connecticut 06810 | Telephone 203-798-2229

Impact Environmental: 1738

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct
City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information:
Name: Erik Curran
Address of site: 666 Green Ave
City: Not Specified
State: NY **Zip:**
Phone:

JMS ID: 080122

Sample's Information: **Sample ID:** SB1

Site: 10'
Preservative: N/A
Temperature:
Matrix: Soil

Date Collected: 3/10/2009
Time Collected: 12:00:00 PM

Date Received: 3/11/2009
Time Received: 5:10:00 PM
Lab No.: J0901584

Date Analyzed	Test Name	Result	MCL	Method
03/12/09	Endrin Aldehyde	<2 ppb	N/A	EPA 8081
03/12/09	Endrin Ketone	<2 ppb	N/A	EPA 8081
03/12/09	g-BHC	<2 ppb	N/A	EPA 8081
03/12/09	Heptachlor	<2 ppb	N/A	EPA 8081
03/12/09	Heptachlor epoxide	<2 ppb	N/A	EPA 8081
03/12/09	Methoxychlor	<2 ppb	N/A	EPA 8081
03/12/09	Mitotane	<2 ppb	N/A	EPA 8081
03/12/09	Parathion	<30 ppb	N/A	EPA 8081
	Polychlorinated biphenyls (PCBs	<500 ppb		SW 8082
03/12/09	Toxaphene	<100 ppb	N/A	EPA 8081
03/13/09	Aluminum	8709 ppm	N/A	6010/E200.7
03/13/09	Antimony	1.56 ppm	N/A	6010/E200.7
03/13/09	Arsenic	24.8 ppm	N/A	6010/E200.7
03/13/09	Barium	394 ppm	N/A	6010/E200.7
03/13/09	Beryllium	0.365 ppm	N/A	6010/E200.7
03/13/09	Cadmium	3.01 ppm	N/A	6010/E200.7
03/13/09	Calcium	29600 ppm	N/A	6010/E200.7
03/13/09	Chromium	18.7 ppm	N/A	6010/E200.7
03/13/09	Chromium, Trivalent	18.7 ppm	N/A	6010/E200.7
03/13/09	Cobalt	5.4 ppm	N/A	6010/E200.7
03/13/09	Copper	146 ppm	N/A	6010/E200.7
03/13/09	Iron	19140 ppm	N/A	6010/E200.7
03/13/09	Lead	801 ppm	N/A	6010/E200.7
03/13/09	Magnesium	3892 ppm	N/A	6010/E200.7
03/13/09	Manganese	300 ppm	N/A	6010/E200.7
03/12/09	Mercury	4.43 ppm	N/A	SW-7471
03/13/09	Nickel	25.3 ppm	N/A	6010/E200.7
03/13/09	Potassium	1250 ppm	N/A	6010/E200.7
03/13/09	Selenium	<0.1 ppm	N/A	6010/E200.7
03/13/09	Silver	<0.1 ppm	N/A	6010/E200.7
03/13/09	Sodium	333 ppm	N/A	6010/E200.7

JMS Environmental Services, Inc.
WATER, SOIL AND AIR ANALYSIS
41 Kenosia Avenue
Danbury, Connecticut 06810 | Telephone 203-798-2229

Impact Environmental: 1738

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct
City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information:
Name: Erik Curran
Address of site: 666 Green Ave
City: Not Specified
State: NY **Zip:**
Phone:

JMS ID: 080122

Sample's Information: **Sample ID:** SB1

Site: 10'
Preservative: N/A
Temperature:
Matrix: Soil

Date Collected: 3/10/2009
Time Collected: 12:00:00 PM

Date Received: 3/11/2009
Time Received: 5:10:00 PM
Lab No.: J0901584

Date Analyzed	Test Name	Result	MCL	Method
03/13/09	Thallium	<0.1 ppm	N/A	6010/E200.7
03/13/09	Vanadium	25 ppm	N/A	6010/E200.7
03/13/09	Zinc	459 ppm	N/A	6010/E200.7

MCL = Maximum Contaminant Level **N/A = Not Applicable** **ppb = parts per billion**
ppm = parts per million

Signature: Michael Lapman
Michael Lapman
President

Reviewed By: Sharon Houlahan
Sharon Houlahan, Director

State #: PH-0218 ELAP #: 11715 Ref Lab: 11301,

JMS Environmental Services, Inc.
WATER, SOIL AND AIR ANALYSIS
41 Kenosia Avenue
Danbury, Connecticut 06810 | Telephone 203-798-2229

Impact Environmental: 1738

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct
City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information:
Name: Erik Curran
Address of site: 666 Green Ave
City: Not Specified
State: NY **Zip:**
Phone:

JMS ID: 080123

Sample's Information: **Sample ID:** SB1

Site: 40'
Preservative: N/A
Temperature:
Matrix: Soil

Date Collected: 3/10/2009
Time Collected: 12:00:00 PM

Date Received: 3/11/2009
Time Received: 5:10:00 PM
Lab No.: J0901585

Date Analyzed	Test Name	Result	MCL	Method
03/12/09	1,1,1,2-tetrachloroethane	<5 ppb		EPA 8260
03/12/09	1,1,1-Trichloroethane	<5 ppb		EPA 8260
03/12/09	1,1,2,2-Tetrachloroethane	<5 ppb		EPA 8260
03/12/09	1,1,2-Trichloroethane	<5 ppb		EPA 8260
03/12/09	1,1-Dichloroethane	<5 ppb		EPA 8260
03/12/09	1,1-Dichloroethene	<5 ppb		EPA 8260
03/12/09	1,1-Dichloropropene	<5 ppb		EPA 8260
03/12/09	1,2,3-Trichlorobenzene	<5 ppb		EPA 8260
03/12/09	1,2,3-Trichloropropane	<5 ppb		EPA 8260
03/12/09	1,2,4,5-tetramethylbenzene	<5 ppb		EPA 8260
03/12/09	1,2,4-Trichlorobenzene	<5 ppb		EPA 8260
03/12/09	1,2,4-Trimethylbenzene	<5 ppb		EPA 8260
03/12/09	1,2-Dibromo-3-Chloropropane	<5 ppb		EPA 8260
03/12/09	1,2-Dibromoethane	<5 ppb		EPA 8260
03/12/09	1,2-Dichlorobenzene	<5 ppb		EPA 8260
03/12/09	1,2-Dichloroethane	<5 ppb		EPA 8260
03/12/09	1,2-Dichloropropane	<5 ppb		EPA 8260
03/12/09	1,3,5-Trimethylbenzene	<5 ppb		EPA 8260
03/12/09	1,3-Dichlorobenzene	<5 ppb		EPA 8260
03/12/09	1,3-Dichloropropane	<5 ppb		EPA 8260
03/12/09	1,3-Dichloropropene(cis and tran	<5 ppb		EPA 8260
03/12/09	1,4-Dichlorobenzene	<5 ppb		EPA 8260
03/12/09	1,4-dioxane	<5 ppb		EPA 8260
03/12/09	2,2-Dichloropropane	<5 ppb		EPA 8260
03/12/09	2-Butanone (MEK)	<5 ppb		EPA 8260
03/12/09	2-Chlorotoluene	<5 ppb		EPA 8260
03/12/09	2-Hexanone	<5 ppb		EPA 8260
03/12/09	4-Chlorotoluene	<5 ppb		EPA 8260
03/12/09	4-Methyl-2-pentanone (MIBK)	<5 ppb		EPA 8260
03/12/09	Acetone	<5 ppb		EPA 8260
03/12/09	Acrylonitrile	<5 ppb		EPA 8260

JMS Environmental Services, Inc.
WATER, SOIL AND AIR ANALYSIS
41 Kenosia Avenue
Danbury, Connecticut 06810 | Telephone 203-798-2229

Impact Environmental: 1738

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct
City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information:
Name: Erik Curran
Address of site: 666 Green Ave
City: Not Specified
State: NY **Zip:**
Phone:

JMS ID: 080123

Sample's Information: **Sample ID:** SB1

Site: 40'
Preservative: N/A
Temperature:
Matrix: Soil

Date Collected: 3/10/2009
Time Collected: 12:00:00 PM

Date Received: 3/11/2009
Time Received: 5:10:00 PM
Lab No.: J0901585

Date Analyzed	Test Name	Result	MCL	Method
03/12/09	Benzene	<5 ppb		EPA 8260
03/12/09	Bromobenzene	<5 ppb		EPA 8260
03/12/09	Bromochloromethane	<5 ppb		EPA 8260
03/12/09	Bromodichloromethane	<5 ppb		EPA 8260
03/12/09	Bromoform	<5 ppb		EPA 8260
03/12/09	Bromomethane	<5 ppb		EPA 8260
03/12/09	Carbon disulfide	<5 ppb		EPA 8260
03/12/09	Carbon tetrachloride	<5 ppb		EPA 8260
03/12/09	Chlorobenzene	<5 ppb		EPA 8260
03/12/09	Chlorodibromomethane	<5 ppb		EPA 8260
03/12/09	Chloroethane	<5 ppb		EPA 8260
03/12/09	Chloroform	<5 ppb		EPA 8260
03/12/09	Chloromethane	<5 ppb		EPA 8260
03/12/09	cis-1,2-Dichloroethene	<5 ppb		EPA 8260
03/12/09	cis-1,3-Dichloropropene	<5 ppb		EPA 8260
03/12/09	Dibromoethane	<5 ppb		EPA 8260
03/12/09	Dichlorodifluoromethane	<5 ppb		EPA 8260
03/12/09	Ethylbenzene	<5 ppb		EPA 8260
03/12/09	Freon 113	<5 ppb		EPA 8260
03/12/09	Isopropylbenzene	<5 ppb		EPA 8260
03/12/09	Methyl isobutyl ketone (MIBK)	<5 ppb		EPA 8260
03/12/09	Methylene Chloride	<5 ppb		EPA 8260
03/12/09	Methyl-tert-butyl-ether	<5 ppb		EPA 8260
03/12/09	n-Butylbenzene	<5 ppb		EPA 8260
03/12/09	n-Propylbenzene	<5 ppb		EPA 8260
03/12/09	p-Diethylbenzene	<5 ppb		EPA 8260
03/12/09	p-Ethyltoluene	<5 ppb		EPA 8260
03/12/09	p-Isopropyltoluene	<5 ppb		EPA 8260
03/12/09	sec-Butylbenzene	<5 ppb		EPA 8260
03/12/09	Styrene	<5 ppb		EPA 8260
03/12/09	tert-Butylbenzene	<5 ppb		EPA 8260

JMS Environmental Services, Inc.
WATER, SOIL AND AIR ANALYSIS
41 Kenosia Avenue
Danbury, Connecticut 06810 | Telephone 203-798-2229

Impact Environmental: 1738

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct
City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information:
Name: Erik Curran
Address of site: 666 Green Ave
City: Not Specified
State: NY **Zip:**
Phone:

JMS ID: 080123

Sample's Information: **Sample ID:** SB1

Site: 40'
Preservative: N/A
Temperature:
Matrix: Soil

Date Collected: 3/10/2009
Time Collected: 12:00:00 PM

Date Received: 3/11/2009
Time Received: 5:10:00 PM
Lab No.: J0901585

Date Analyzed	Test Name	Result	MCL	Method
03/12/09	Tetrachloroethene	<5 ppb		EPA 8260
03/12/09	Toluene	<5 ppb		EPA 8260
03/12/09	Total Xylenes	<5 ppb		EPA 8260
03/12/09	trans-1,2-Dichloroethene	<5 ppb		EPA 8260
03/12/09	trans-1,3-Dichloropropene	<5 ppb		EPA 8260
03/12/09	Trichloroethene	<5 ppb		EPA 8260
03/12/09	Trichlorofluoromethane	<5 ppb		EPA 8260
03/12/09	Vinyl Acetate	<5 ppb		EPA 8260
03/12/09	Vinyl chloride	<5 ppb		EPA 8260
03/13/09	2,4,5-Trichlorophenol	<330 ppb		EPA 8270
03/13/09	2,4,6-Trichlorophenol	<330 ppb		EPA 8270
03/13/09	2,4-Dichlorophenol	<330 ppb		EPA 8270
03/13/09	2,4-Dimethylphenol	<330 ppb		EPA 8270
03/13/09	2,4-Dinitrophenol	<330 ppb		EPA 8270
03/13/09	2,4-Dinitrotoluene	<330 ppb		EPA 8270
03/13/09	2,6-Dinitrotoluene	<330 ppb		EPA 8270
03/13/09	2-Chloronaphthalene	<330 ppb		EPA 8270
03/13/09	2-Chlorophenol	<330 ppb		EPA 8270
03/13/09	2-Methylnaphthalene	<330 ppb		EPA 8270
03/13/09	2-Methylphenol (o-Cresol)	<330 ppb		EPA 8270
03/13/09	2-Nitroaniline	<330 ppb		EPA 8270
03/13/09	2-Nitrophenol	<330 ppb		EPA 8270
03/13/09	3,3'-Dichlorobenzidine	<330 ppb		EPA 8270
03/13/09	3-Nitroaniline	<330 ppb		EPA 8270
03/13/09	4,6-Dinitro-2-methylphenol	<330 ppb		EPA 8270
03/13/09	4-Bromophenyl Phenyl Ether	<330 ppb		EPA 8270
03/13/09	4-Chloro-3-Methylphenol	<330 ppb		EPA 8270
03/13/09	4-Chloroaniline	<330 ppb		EPA 8270
03/13/09	4-Chlorophenylphenyl ether	<330 ppb		EPA 8270
03/13/09	4-Methylphenol (p-Cresol)	<330 ppb		EPA 8270
03/13/09	4-Nitroaniline	<330 ppb		EPA 8270

JMS Environmental Services, Inc.
WATER, SOIL AND AIR ANALYSIS
41 Kenosia Avenue
Danbury, Connecticut 06810 | Telephone 203-798-2229

Impact Environmental: 1738

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct
City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information:
Name: Erik Curran
Address of site: 666 Green Ave
City: Not Specified
State: NY **Zip:**
Phone:

JMS ID: 080123

Sample's Information: **Sample ID:** SB1

Site: 40'
Preservative: N/A
Temperature:
Matrix: Soil

Date Collected: 3/10/2009
Time Collected: 12:00:00 PM

Date Received: 3/11/2009
Time Received: 5:10:00 PM
Lab No.: J0901585

Date Analyzed	Test Name	Result	MCL	Method
03/13/09	4-Nitrophenol	<330 ppb		EPA 8270
03/13/09	Acenaphthene	<330 ppb		EPA 8270
03/13/09	Acenaphthylene	<330 ppb		EPA 8270
03/13/09	Aniline	<330 ppb		EPA 8270
03/13/09	Anthracene	<330 ppb		EPA 8270
03/13/09	Benzo(a)anthracene	<330 ppb		EPA 8270
03/13/09	Benzo(a)pyrene	<330 ppb		EPA 8270
03/13/09	Benzo(b)fluoranthene	<330 ppb		EPA 8270
03/13/09	Benzo(g,h,i)perylene	<330 ppb		EPA 8270
03/13/09	Benzo(k)fluoranthene	<330 ppb		EPA 8270
03/13/09	Benzyl Alcohol	<330 ppb		EPA 8270
03/13/09	bis(2-Chloroethoxy)methane	<330 ppb		EPA 8270
03/13/09	bis(2-Chloroethyl) ether	<330 ppb		EPA 8270
03/13/09	bis(2-Chloroisopropyl) ether	<330 ppb		EPA 8270
03/13/09	bis(2-ethylhexyl)phthalate	<330 ppb		EPA 8270
03/13/09	Benzyl Butyl Phthalate	<330 ppb		EPA 8270
03/13/09	Chrysene	<330 ppb		EPA 8270
03/13/09	Dibenz(a,h)anthracene	<330 ppb		EPA 8270
03/13/09	Dibenzofuran	<330 ppb		EPA 8270
03/13/09	Diethyl Phthalate	<330 ppb		EPA 8270
03/13/09	Dimethyl Phthalate	<330 ppb		EPA 8270
03/13/09	Di-N-Butylyphthalate	<330 ppb		EPA 8270
03/13/09	Dinitrotoluene(2,4-/2,6-)	<330 ppb		EPA 8270
03/13/09	Di-n-octyl phthalate	<330 ppb		EPA 8270
03/13/09	Fluoranthene	<330 ppb		EPA 8270
03/13/09	Fluorene	<330 ppb		EPA 8270
03/13/09	Hexachlorobenzene	<330 ppb		EPA 8270
03/13/09	Hexachlorocyclopentadiene	<330 ppb		EPA 8270
03/13/09	Hexachlorobutadiene	<330 ppb		EPA 8270
03/13/09	Hexachloroethane	<330 ppb		EPA 8270
03/13/09	Indeno(1,2,3-cd)pyrene	<330 ppb		EPA 8270

JMS Environmental Services, Inc.
WATER, SOIL AND AIR ANALYSIS
41 Kenosia Avenue
Danbury, Connecticut 06810 | Telephone 203-798-2229

Impact Environmental: 1738

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct
City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information:
Name: Erik Curran
Address of site: 666 Green Ave
City: Not Specified
State: NY **Zip:**
Phone:

JMS ID: 080123

Sample's Information: **Sample ID:** SB1

Site: 40'
Preservative: N/A
Temperature:
Matrix: Soil

Date Collected: 3/10/2009
Time Collected: 12:00:00 PM

Date Received: 3/11/2009
Time Received: 5:10:00 PM
Lab No.: J0901585

Date Analyzed	Test Name	Result	MCL	Method
03/13/09	Isophorone	<330 ppb		EPA 8270
03/13/09	m-Cresol	<330 ppb		EPA 8270
03/13/09	Naphthalene	<330 ppb		EPA 8270
03/13/09	Nitrobenzene	<330 ppb		EPA 8270
03/13/09	n-Nitrosodi-n-propylamine	<330 ppb		EPA 8270
03/13/09	n-Nitrosodiphenylamine	<330 ppb		EPA 8270
03/13/09	Pentachlorophenol	<330 ppb		EPA 8270
03/13/09	Phenanthrene	<330 ppb		EPA 8270
03/13/09	Phenol	<330 ppb		EPA 8270
03/13/09	Pyrene	<330 ppb		EPA 8270
03/12/09	4,4'-DDD	<2 ppb	N/A	EPA 8081
03/12/09	4,4'-DDE	<2 ppb	N/A	EPA 8081
03/12/09	4,4'-DDT	<2 ppb	N/A	EPA 8081
03/12/09	Aldrin	<2 ppb	N/A	EPA 8081
03/12/09	a-BHC	<2 ppb	N/A	EPA 8081
03/12/09	Arochlor 1016	<50 ppb		SW 8082
03/12/09	Arochlor 1221	<50 ppb		SW 8082
03/12/09	Arochlor 1232	<50 ppb		SW 8082
03/12/09	Arochlor 1242	<50 ppb		SW 8082
03/12/09	Arochlor 1248	<50 ppb		SW 8082
03/12/09	Arochlor 1254	<50 ppb		SW 8082
03/12/09	Arochlor 1260	<50 ppb		SW 8082
03/12/09	b-BHC	<2 ppb	N/A	EPA 8081
03/12/09	Chlordane, alpha	<2 ppb	N/A	EPA 8081
03/12/09	d-BHC	<2 ppb	N/A	EPA 8081
03/12/09	Dieldrin	<2 ppb	N/A	EPA 8081
03/12/09	Endosulfan	<2 ppb	N/A	EPA 8081
03/12/09	Endosulfan I	<2 ppb	N/A	EPA 8081
03/12/09	Endosulfan II	<2 ppb	N/A	EPA 8081
03/12/09	Endosulfan Sulfate	<2 ppb	N/A	EPA 8081
03/12/09	Endrin	<2 ppb	N/A	EPA 8081

JMS Environmental Services, Inc.
WATER, SOIL AND AIR ANALYSIS
41 Kenosia Avenue
Danbury, Connecticut 06810 | Telephone 203-798-2229

Impact Environmental: 1738

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct
City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information:
Name: Erik Curran
Address of site: 666 Green Ave
City: Not Specified
State: NY **Zip:**
Phone:

JMS ID: 080123

Sample's Information: **Sample ID:** SB1

Site: 40'
Preservative: N/A
Temperature:
Matrix: Soil

Date Collected: 3/10/2009
Time Collected: 12:00:00 PM

Date Received: 3/11/2009
Time Received: 5:10:00 PM
Lab No.: J0901585

Date Analyzed	Test Name	Result	MCL	Method
03/12/09	Endrin Aldehyde	<2 ppb	N/A	EPA 8081
03/12/09	Endrin Ketone	<2 ppb	N/A	EPA 8081
03/12/09	g-BHC	<2 ppb	N/A	EPA 8081
03/12/09	Heptachlor	<2 ppb	N/A	EPA 8081
03/12/09	Heptachlor epoxide	<2 ppb	N/A	EPA 8081
03/12/09	Methoxychlor	<2 ppb	N/A	EPA 8081
03/12/09	Mitotane	<2 ppb	N/A	EPA 8081
03/12/09	Parathion	<30 ppb	N/A	EPA 8081
03/12/09	Polychlorinated biphenyls (PCBs	<50 ppb		SW 8082
03/12/09	Toxaphene	<100 ppb	N/A	EPA 8081
03/13/09	Aluminum	3744 ppm	N/A	6010/E200.7
03/13/09	Antimony	<0.1 ppm	N/A	6010/E200.7
03/13/09	Arsenic	1.12 ppm	N/A	6010/E200.7
03/13/09	Barium	23.4 ppm	N/A	6010/E200.7
03/13/09	Beryllium	0.192 ppm	N/A	6010/E200.7
03/13/09	Cadmium	0.515 ppm	N/A	6010/E200.7
03/13/09	Calcium	1635 ppm	N/A	6010/E200.7
03/13/09	Chromium	9.41 ppm	N/A	6010/E200.7
03/13/09	Chromium, Trivalent	9.41 ppm	N/A	6010/E200.7
03/13/09	Cobalt	3.53 ppm	N/A	6010/E200.7
03/13/09	Copper	9.65 ppm	N/A	6010/E200.7
03/13/09	Iron	9103 ppm	N/A	6010/E200.7
03/13/09	Lead	6.54 ppm	N/A	6010/E200.7
03/13/09	Magnesium	1428 ppm	N/A	6010/E200.7
03/13/09	Manganese	242 ppm	N/A	6010/E200.7
03/12/09	Mercury	<0.1 ppm	N/A	SW-7471
03/13/09	Nickel	10.9 ppm	N/A	6010/E200.7
03/13/09	Potassium	606 ppm	N/A	6010/E200.7
03/13/09	Selenium	<0.1 ppm	N/A	6010/E200.7
03/13/09	Silver	<0.1 ppm	N/A	6010/E200.7
03/13/09	Sodium	90.6 ppm	N/A	6010/E200.7

JMS Environmental Services, Inc.
WATER, SOIL AND AIR ANALYSIS
41 Kenosia Avenue
Danbury, Connecticut 06810 | Telephone 203-798-2229

Impact Environmental: 1738

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct
City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information:
Name: Erik Curran
Address of site: 666 Green Ave
City: Not Specified
State: NY **Zip:**
Phone:

JMS ID: 080123

Sample's Information: **Sample ID:** SB1

Site: 40'
Preservative: N/A
Temperature:
Matrix: Soil

Date Collected: 3/10/2009
Time Collected: 12:00:00 PM

Date Received: 3/11/2009
Time Received: 5:10:00 PM
Lab No.: J0901585

Date Analyzed	Test Name	Result	MCL	Method
03/13/09	Thallium	<0.1 ppm	N/A	6010/E200.7
03/13/09	Vanadium	12.7 ppm	N/A	6010/E200.7
03/13/09	Zinc	23.7 ppm	N/A	6010/E200.7

MCL = Maximum Contaminant Level **N/A = Not Applicable** **ppb = parts per billion**
ppm = parts per million

Signature: Michael Lapman
Michael Lapman
President

Reviewed By: Sharon Houlahan
Sharon Houlahan, Director

State #: PH-0218 ELAP #: 11715 Ref Lab: 11301,

JMS Environmental Services, Inc.
WATER, SOIL AND AIR ANALYSIS
41 Kenosia Avenue
Danbury, Connecticut 06810 | Telephone 203-798-2229

Impact Environmental: 1738

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct
City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information:
Name: Erik Curran
Address of site: 666 Green Ave
City: Not Specified
State: NY **Zip:**
Phone:

JMS ID: 080124

Sample's Information: **Sample ID:** SB2

Site: 0-2'
Preservative: N/A
Temperature:
Matrix: Soil

Date Collected: 3/10/2009
Time Collected: 12:00:00 PM

Date Received: 3/11/2009
Time Received: 5:10:00 PM
Lab No.: J0901586

Date Analyzed	Test Name	Result	MCL	Method
03/12/09	1,1,1,2-tetrachloroethane	<5 ppb		EPA 8260
03/12/09	1,1,1-Trichloroethane	<5 ppb		EPA 8260
03/12/09	1,1,2,2-Tetrachloroethane	<5 ppb		EPA 8260
03/12/09	1,1,2-Trichloroethane	<5 ppb		EPA 8260
03/12/09	1,1-Dichloroethane	<5 ppb		EPA 8260
03/12/09	1,1-Dichloroethene	<5 ppb		EPA 8260
03/12/09	1,1-Dichloropropene	<5 ppb		EPA 8260
03/12/09	1,2,3-Trichlorobenzene	<5 ppb		EPA 8260
03/12/09	1,2,3-Trichloropropane	<5 ppb		EPA 8260
03/12/09	1,2,4,5-tetramethylbenzene	<5 ppb		EPA 8260
03/12/09	1,2,4-Trichlorobenzene	<5 ppb		EPA 8260
03/12/09	1,2,4-Trimethylbenzene	<5 ppb		EPA 8260
03/12/09	1,2-Dibromo-3-Chloropropane	<5 ppb		EPA 8260
03/12/09	1,2-Dibromoethane	<5 ppb		EPA 8260
03/12/09	1,2-Dichlorobenzene	<5 ppb		EPA 8260
03/12/09	1,2-Dichloroethane	<5 ppb		EPA 8260
03/12/09	1,2-Dichloropropane	<5 ppb		EPA 8260
03/12/09	1,3,5-Trimethylbenzene	<5 ppb		EPA 8260
03/12/09	1,3-Dichlorobenzene	<5 ppb		EPA 8260
03/12/09	1,3-Dichloropropane	<5 ppb		EPA 8260
03/12/09	1,3-Dichloropropene(cis and tran	<5 ppb		EPA 8260
03/12/09	1,4-Dichlorobenzene	<5 ppb		EPA 8260
03/12/09	1,4-dioxane	<5 ppb		EPA 8260
03/12/09	2,2-Dichloropropane	<5 ppb		EPA 8260
03/12/09	2-Butanone (MEK)	<5 ppb		EPA 8260
03/12/09	2-Chlorotoluene	<5 ppb		EPA 8260
03/12/09	2-Hexanone	<5 ppb		EPA 8260
03/12/09	4-Chlorotoluene	<5 ppb		EPA 8260
03/12/09	4-Methyl-2-pentanone (MIBK)	<5 ppb		EPA 8260
03/12/09	Acetone	<5 ppb		EPA 8260
03/12/09	Acrylonitrile	<5 ppb		EPA 8260

JMS Environmental Services, Inc.
WATER, SOIL AND AIR ANALYSIS
41 Kenosia Avenue
Danbury, Connecticut 06810 | Telephone 203-798-2229

Impact Environmental: 1738

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct
City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information:
Name: Erik Curran
Address of site: 666 Green Ave
City: Not Specified
State: NY **Zip:**
Phone:

JMS ID: 080124

Sample's Information: **Sample ID:** SB2

Site: 0-2'
Preservative: N/A
Temperature:
Matrix: Soil

Date Collected: 3/10/2009
Time Collected: 12:00:00 PM

Date Received: 3/11/2009
Time Received: 5:10:00 PM
Lab No.: J0901586

Date Analyzed	Test Name	Result	MCL	Method
03/12/09	Benzene	<5 ppb		EPA 8260
03/12/09	Bromobenzene	<5 ppb		EPA 8260
03/12/09	Bromochloromethane	<5 ppb		EPA 8260
03/12/09	Bromodichloromethane	<5 ppb		EPA 8260
03/12/09	Bromoform	<5 ppb		EPA 8260
03/12/09	Bromomethane	<5 ppb		EPA 8260
03/12/09	Carbon disulfide	<5 ppb		EPA 8260
03/12/09	Carbon tetrachloride	<5 ppb		EPA 8260
03/12/09	Chlorobenzene	<5 ppb		EPA 8260
03/12/09	Chlorodibromomethane	<5 ppb		EPA 8260
03/12/09	Chloroethane	<5 ppb		EPA 8260
03/12/09	Chloroform	<5 ppb		EPA 8260
03/12/09	Chloromethane	<5 ppb		EPA 8260
03/12/09	cis-1,2-Dichloroethene	<5 ppb		EPA 8260
03/12/09	cis-1,3-Dichloropropene	<5 ppb		EPA 8260
03/12/09	Dibromoethane	<5 ppb		EPA 8260
03/12/09	Dichlorodifluoromethane	<5 ppb		EPA 8260
03/12/09	Ethylbenzene	<5 ppb		EPA 8260
03/12/09	Freon 113	<5 ppb		EPA 8260
03/12/09	Isopropylbenzene	<5 ppb		EPA 8260
03/12/09	Methyl isobutyl ketone (MIBK)	<5 ppb		EPA 8260
03/12/09	Methylene Chloride	<5 ppb		EPA 8260
03/12/09	Methyl-tert-butyl-ether	<5 ppb		EPA 8260
03/12/09	n-Butylbenzene	<5 ppb		EPA 8260
03/12/09	n-Propylbenzene	<5 ppb		EPA 8260
03/12/09	p-Diethylbenzene	<5 ppb		EPA 8260
03/12/09	p-Ethyltoluene	<5 ppb		EPA 8260
03/12/09	p-Isopropyltoluene	<5 ppb		EPA 8260
03/12/09	sec-Butylbenzene	<5 ppb		EPA 8260
03/12/09	Styrene	<5 ppb		EPA 8260
03/12/09	tert-Butylbenzene	<5 ppb		EPA 8260

JMS Environmental Services, Inc.
WATER, SOIL AND AIR ANALYSIS
41 Kenosia Avenue
Danbury, Connecticut 06810 | Telephone 203-798-2229

Impact Environmental: 1738

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct
City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information:
Name: Erik Curran
Address of site: 666 Green Ave
City: Not Specified
State: NY **Zip:**
Phone:

JMS ID: 080124

Sample's Information: **Sample ID:** SB2

Site: 0-2'
Preservative: N/A
Temperature:
Matrix: Soil

Date Collected: 3/10/2009
Time Collected: 12:00:00 PM

Date Received: 3/11/2009
Time Received: 5:10:00 PM
Lab No.: J0901586

Date Analyzed	Test Name	Result	MCL	Method
03/12/09	Tetrachloroethene	<5 ppb		EPA 8260
03/12/09	Toluene	<5 ppb		EPA 8260
03/12/09	Total Xylenes	<5 ppb		EPA 8260
03/12/09	trans-1,2-Dichloroethene	<5 ppb		EPA 8260
03/12/09	trans-1,3-Dichloropropene	<5 ppb		EPA 8260
03/12/09	Trichloroethene	<5 ppb		EPA 8260
03/12/09	Trichlorofluoromethane	<5 ppb		EPA 8260
03/12/09	Vinyl Acetate	<5 ppb		EPA 8260
03/12/09	Vinyl chloride	<5 ppb		EPA 8260
03/13/09	2,4,5-Trichlorophenol	<330 ppb		EPA 8270
03/13/09	2,4,6-Trichlorophenol	<330 ppb		EPA 8270
03/13/09	2,4-Dichlorophenol	<330 ppb		EPA 8270
03/13/09	2,4-Dimethylphenol	<330 ppb		EPA 8270
03/13/09	2,4-Dinitrophenol	<330 ppb		EPA 8270
03/13/09	2,4-Dinitrotoluene	<330 ppb		EPA 8270
03/13/09	2,6-Dinitrotoluene	<330 ppb		EPA 8270
03/13/09	2-Chloronaphthalene	<330 ppb		EPA 8270
03/13/09	2-Chlorophenol	<330 ppb		EPA 8270
03/13/09	2-Methylnaphthalene	<330 ppb		EPA 8270
03/13/09	2-Methylphenol (o-Cresol)	<330 ppb		EPA 8270
03/13/09	2-Nitroaniline	<330 ppb		EPA 8270
03/13/09	2-Nitrophenol	<330 ppb		EPA 8270
03/13/09	3,3'-Dichlorobenzidine	<330 ppb		EPA 8270
03/13/09	3-Nitroaniline	<330 ppb		EPA 8270
03/13/09	4,6-Dinitro-2-methylphenol	<330 ppb		EPA 8270
03/13/09	4-Bromophenyl Phenyl Ether	<330 ppb		EPA 8270
03/13/09	4-Chloro-3-Methylphenol	<330 ppb		EPA 8270
03/13/09	4-Chloroaniline	<330 ppb		EPA 8270
03/13/09	4-Chlorophenylphenyl ether	<330 ppb		EPA 8270
03/13/09	4-Methylphenol (p-Cresol)	<330 ppb		EPA 8270
03/13/09	4-Nitroaniline	<330 ppb		EPA 8270

JMS Environmental Services, Inc.
WATER, SOIL AND AIR ANALYSIS
41 Kenosia Avenue
Danbury, Connecticut 06810 | Telephone 203-798-2229

Impact Environmental: 1738

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct
City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information:
Name: Erik Curran
Address of site: 666 Green Ave
City: Not Specified
State: NY **Zip:**
Phone:

JMS ID: 080124

Sample's Information: **Sample ID:** SB2

Site: 0-2'
Preservative: N/A
Temperature:
Matrix: Soil

Date Collected: 3/10/2009
Time Collected: 12:00:00 PM

Date Received: 3/11/2009
Time Received: 5:10:00 PM
Lab No.: J0901586

Date Analyzed	Test Name	Result	MCL	Method
03/13/09	4-Nitrophenol	<330 ppb		EPA 8270
03/13/09	Acenaphthene	<330 ppb		EPA 8270
03/13/09	Acenaphthylene	<330 ppb		EPA 8270
03/13/09	Aniline	<330 ppb		EPA 8270
03/13/09	Anthracene	<330 ppb		EPA 8270
03/13/09	Benzo(a)anthracene	447 ppb		EPA 8270
03/13/09	Benzo(a)pyrene	398 ppb		EPA 8270
03/13/09	Benzo(b)fluoranthene	<330 ppb		EPA 8270
03/13/09	Benzo(g,h,i)perylene	<330 ppb		EPA 8270
03/13/09	Benzo(k)fluoranthene	<330 ppb		EPA 8270
03/13/09	Benzyl Alcohol	<330 ppb		EPA 8270
03/13/09	bis(2-Chloroethoxy)methane	<330 ppb		EPA 8270
03/13/09	bis(2-Chloroethyl) ether	<330 ppb		EPA 8270
03/13/09	bis(2-Chloroisopropyl) ether	<330 ppb		EPA 8270
03/13/09	bis(2-ethylhexyl)phthalate	<330 ppb		EPA 8270
03/13/09	Benzyl Butyl Phthalate	<330 ppb		EPA 8270
03/13/09	Chrysene	455 ppb		EPA 8270
03/13/09	Dibenz(a,h)anthracene	<330 ppb		EPA 8270
03/13/09	Dibenzofuran	<330 ppb		EPA 8270
03/13/09	Diethyl Phthalate	<330 ppb		EPA 8270
03/13/09	Dimethyl Phthalate	<330 ppb		EPA 8270
03/13/09	Di-N-Butylyphthalate	<330 ppb		EPA 8270
03/13/09	Dinitrotoluene(2,4-/2,6-)	<330 ppb		EPA 8270
03/13/09	Di-n-octyl phthalate	<330 ppb		EPA 8270
03/13/09	Fluoranthene	946 ppb		EPA 8270
03/13/09	Fluorene	<330 ppb		EPA 8270
03/13/09	Hexachlorobenzene	<330 ppb		EPA 8270
03/13/09	Hexachlorocyclopentadiene	<330 ppb		EPA 8270
03/13/09	Hexachlorobutadiene	<330 ppb		EPA 8270
03/13/09	Hexachloroethane	<330 ppb		EPA 8270
03/13/09	Indeno(1,2,3-cd)pyrene	<330 ppb		EPA 8270

JMS Environmental Services, Inc.
WATER, SOIL AND AIR ANALYSIS
41 Kenosia Avenue
Danbury, Connecticut 06810 | Telephone 203-798-2229

Impact Environmental: 1738

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct
City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information:
Name: Erik Curran
Address of site: 666 Green Ave
City: Not Specified
State: NY **Zip:**
Phone:

JMS ID: 080124

Sample's Information: **Sample ID:** SB2

Site: 0-2'
Preservative: N/A
Temperature:
Matrix: Soil

Date Collected: 3/10/2009
Time Collected: 12:00:00 PM

Date Received: 3/11/2009
Time Received: 5:10:00 PM
Lab No.: J0901586

Date Analyzed	Test Name	Result	MCL	Method
03/13/09	Isophorone	<330 ppb		EPA 8270
03/13/09	m-Cresol	<330 ppb		EPA 8270
03/13/09	Naphthalene	<330 ppb		EPA 8270
03/13/09	Nitrobenzene	<330 ppb		EPA 8270
03/13/09	n-Nitrosodi-n-propylamine	<330 ppb		EPA 8270
03/13/09	n-Nitrosodiphenylamine	<330 ppb		EPA 8270
03/13/09	Pentachlorophenol	<330 ppb		EPA 8270
03/13/09	Phenanthrene	477 ppb		EPA 8270
03/13/09	Phenol	<330 ppb		EPA 8270
03/13/09	Pyrene	772 ppb		EPA 8270
03/12/09	4,4'-DDD	<2 ppb	N/A	EPA 8081
03/12/09	4,4'-DDE	<2 ppb	N/A	EPA 8081
03/12/09	4,4'-DDT	23.4 ppb	N/A	EPA 8081
03/12/09	Aldrin	<2 ppb	N/A	EPA 8081
03/12/09	a-BHC	<2 ppb	N/A	EPA 8081
03/12/09	Arochlor 1016	<50 ppb		SW 8082
03/12/09	Arochlor 1221	<50 ppb		SW 8082
03/12/09	Arochlor 1232	<50 ppb		SW 8082
03/12/09	Arochlor 1242	<50 ppb		SW 8082
03/12/09	Arochlor 1248	<50 ppb		SW 8082
03/12/09	Arochlor 1254	<50 ppb		SW 8082
03/12/09	Arochlor 1260	148 ppb		SW 8082
03/12/09	b-BHC	<2 ppb	N/A	EPA 8081
03/12/09	Chlordane, alpha	<2 ppb	N/A	EPA 8081
03/12/09	d-BHC	<2 ppb	N/A	EPA 8081
03/12/09	Dieldrin	<2 ppb	N/A	EPA 8081
03/12/09	Endosulfan	<2 ppb	N/A	EPA 8081
03/12/09	Endosulfan I	<2 ppb	N/A	EPA 8081
03/12/09	Endosulfan II	<2 ppb	N/A	EPA 8081
03/12/09	Endosulfan Sulfate	<2 ppb	N/A	EPA 8081
03/12/09	Endrin	<2 ppb	N/A	EPA 8081

JMS Environmental Services, Inc.
WATER, SOIL AND AIR ANALYSIS
41 Kenosia Avenue
Danbury, Connecticut 06810 | Telephone 203-798-2229

Impact Environmental: 1738

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct
City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information:
Name: Erik Curran
Address of site: 666 Green Ave
City: Not Specified
State: NY **Zip:**
Phone:

JMS ID: 080124

Sample's Information: **Sample ID:** SB2

Site: 0-2'
Preservative: N/A
Temperature:
Matrix: Soil

Date Collected: 3/10/2009
Time Collected: 12:00:00 PM

Date Received: 3/11/2009
Time Received: 5:10:00 PM
Lab No.: J0901586

Date Analyzed	Test Name	Result	MCL	Method
03/12/09	Endrin Aldehyde	<2 ppb	N/A	EPA 8081
03/12/09	Endrin Ketone	<2 ppb	N/A	EPA 8081
03/12/09	g-BHC	<2 ppb	N/A	EPA 8081
03/12/09	Heptachlor	<2 ppb	N/A	EPA 8081
03/12/09	Heptachlor epoxide	<2 ppb	N/A	EPA 8081
03/12/09	Methoxychlor	<2 ppb	N/A	EPA 8081
03/12/09	Mitotane	<2 ppb	N/A	EPA 8081
03/12/09	Parathion	<30 ppb	N/A	EPA 8081
03/12/09	Polychlorinated biphenyls (PCBs	<50 ppb		SW 8082
03/12/09	Toxaphene	<100 ppb	N/A	EPA 8081
03/13/09	Aluminum	10560 ppm	N/A	6010/E200.7
03/13/09	Antimony	0.744 ppm	N/A	6010/E200.7
03/13/09	Arsenic	2.7 ppm	N/A	6010/E200.7
03/13/09	Barium	102 ppm	N/A	6010/E200.7
03/13/09	Beryllium	0.462 ppm	N/A	6010/E200.7
03/13/09	Cadmium	1.34 ppm	N/A	6010/E200.7
03/13/09	Calcium	6728 ppm	N/A	6010/E200.7
03/13/09	Chromium	18.7 ppm	N/A	6010/E200.7
03/13/09	Chromium, Trivalent	18.7 ppm	N/A	6010/E200.7
03/13/09	Cobalt	7.09 ppm	N/A	6010/E200.7
03/13/09	Copper	36.5 ppm	N/A	6010/E200.7
03/13/09	Iron	16630 ppm	N/A	6010/E200.7
03/13/09	Lead	170 ppm	N/A	6010/E200.7
03/13/09	Magnesium	2384 ppm	N/A	6010/E200.7
03/13/09	Manganese	401 ppm	N/A	6010/E200.7
03/12/09	Mercury	0.259 ppm	N/A	SW-7471
03/13/09	Nickel	15.9 ppm	N/A	6010/E200.7
03/13/09	Potassium	948 ppm	N/A	6010/E200.7
03/13/09	Selenium	<0.1 ppm	N/A	6010/E200.7
03/13/09	Silver	<0.1 ppm	N/A	6010/E200.7
03/13/09	Sodium	132 ppm	N/A	6010/E200.7

JMS Environmental Services, Inc.
WATER, SOIL AND AIR ANALYSIS
41 Kenosia Avenue
Danbury, Connecticut 06810 | Telephone 203-798-2229

Impact Environmental: 1738

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct
City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information:
Name: Erik Curran
Address of site: 666 Green Ave
City: Not Specified
State: NY **Zip:**
Phone:

JMS ID: 080124

Sample's Information: **Sample ID:** SB2

Site: 0-2'
Preservative: N/A
Temperature:
Matrix: Soil

Date Collected: 3/10/2009
Time Collected: 12:00:00 PM

Date Received: 3/11/2009
Time Received: 5:10:00 PM
Lab No.: J0901586

Date Analyzed	Test Name	Result	MCL	Method
03/13/09	Thallium	<0.1 ppm	N/A	6010/E200.7
03/13/09	Vanadium	26.4 ppm	N/A	6010/E200.7
03/13/09	Zinc	156 ppm	N/A	6010/E200.7

MCL = Maximum Contaminant Level **N/A = Not Applicable** **ppb = parts per billion**
ppm = parts per million

Signature: Michael Lapman
Michael Lapman
President

Reviewed By: Sharon Houlahan
Sharon Houlahan, Director

State #: PH-0218 ELAP #: 11715 Ref Lab: 11301,

JMS Environmental Services, Inc.
WATER, SOIL AND AIR ANALYSIS
41 Kenosia Avenue
Danbury, Connecticut 06810 | Telephone 203-798-2229

Impact Environmental: 1738

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct
City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information:
Name: Erik Curran
Address of site: 666 Green Ave
City: Not Specified
State: NY **Zip:**
Phone:

JMS ID: 080125

Sample's Information: **Sample ID:** SB3

Site: 0-2'
Preservative: N/A
Temperature:
Matrix: Soil

Date Collected: 3/10/2009
Time Collected: 12:00:00 PM

Date Received: 3/11/2009
Time Received: 5:10:00 PM
Lab No.: J0901587

Date Analyzed	Test Name	Result	MCL	Method
03/12/09	1,1,1,2-tetrachloroethane	<5 ppb		EPA 8260
03/12/09	1,1,1-Trichloroethane	<5 ppb		EPA 8260
03/12/09	1,1,2,2-Tetrachloroethane	<5 ppb		EPA 8260
03/12/09	1,1,2-Trichloroethane	<5 ppb		EPA 8260
03/12/09	1,1-Dichloroethane	<5 ppb		EPA 8260
03/12/09	1,1-Dichloroethene	<5 ppb		EPA 8260
03/12/09	1,1-Dichloropropene	<5 ppb		EPA 8260
03/12/09	1,2,3-Trichlorobenzene	<5 ppb		EPA 8260
03/12/09	1,2,3-Trichloropropane	<5 ppb		EPA 8260
03/12/09	1,2,4,5-tetramethylbenzene	<5 ppb		EPA 8260
03/12/09	1,2,4-Trichlorobenzene	<5 ppb		EPA 8260
03/12/09	1,2,4-Trimethylbenzene	<5 ppb		EPA 8260
03/12/09	1,2-Dibromo-3-Chloropropane	<5 ppb		EPA 8260
03/12/09	1,2-Dibromoethane	<5 ppb		EPA 8260
03/12/09	1,2-Dichlorobenzene	<5 ppb		EPA 8260
03/12/09	1,2-Dichloroethane	<5 ppb		EPA 8260
03/12/09	1,2-Dichloropropane	<5 ppb		EPA 8260
03/12/09	1,3,5-Trimethylbenzene	<5 ppb		EPA 8260
03/12/09	1,3-Dichlorobenzene	<5 ppb		EPA 8260
03/12/09	1,3-Dichloropropane	<5 ppb		EPA 8260
03/12/09	1,3-Dichloropropene(cis and tran	<5 ppb		EPA 8260
03/12/09	1,4-Dichlorobenzene	<5 ppb		EPA 8260
03/12/09	1,4-dioxane	<5 ppb		EPA 8260
03/12/09	2,2-Dichloropropane	<5 ppb		EPA 8260
03/12/09	2-Butanone (MEK)	<5 ppb		EPA 8260
03/12/09	2-Chlorotoluene	<5 ppb		EPA 8260
03/12/09	2-Hexanone	<5 ppb		EPA 8260
03/12/09	4-Chlorotoluene	<5 ppb		EPA 8260
03/12/09	4-Methyl-2-pentanone (MIBK)	<5 ppb		EPA 8260
03/12/09	Acetone	<5 ppb		EPA 8260
03/12/09	Acrylonitrile	<5 ppb		EPA 8260

JMS Environmental Services, Inc.
WATER, SOIL AND AIR ANALYSIS
41 Kenosia Avenue
Danbury, Connecticut 06810 | Telephone 203-798-2229

Impact Environmental: 1738

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct
City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information:
Name: Erik Curran
Address of site: 666 Green Ave
City: Not Specified
State: NY **Zip:**
Phone:

JMS ID: 080125

Sample's Information: **Sample ID:** SB3

Site: 0-2'
Preservative: N/A
Temperature:
Matrix: Soil

Date Collected: 3/10/2009
Time Collected: 12:00:00 PM

Date Received: 3/11/2009
Time Received: 5:10:00 PM
Lab No.: J0901587

Date Analyzed	Test Name	Result	MCL	Method
03/12/09	Benzene	<5 ppb		EPA 8260
03/12/09	Bromobenzene	<5 ppb		EPA 8260
03/12/09	Bromochloromethane	<5 ppb		EPA 8260
03/12/09	Bromodichloromethane	<5 ppb		EPA 8260
03/12/09	Bromoform	<5 ppb		EPA 8260
03/12/09	Bromomethane	<5 ppb		EPA 8260
03/12/09	Carbon disulfide	<5 ppb		EPA 8260
03/12/09	Carbon tetrachloride	<5 ppb		EPA 8260
03/12/09	Chlorobenzene	<5 ppb		EPA 8260
03/12/09	Chlorodibromomethane	<5 ppb		EPA 8260
03/12/09	Chloroethane	<5 ppb		EPA 8260
03/12/09	Chloroform	<5 ppb		EPA 8260
03/12/09	Chloromethane	<5 ppb		EPA 8260
03/12/09	cis-1,2-Dichloroethene	<5 ppb		EPA 8260
03/12/09	cis-1,3-Dichloropropene	<5 ppb		EPA 8260
03/12/09	Dibromoethane	<5 ppb		EPA 8260
03/12/09	Dichlorodifluoromethane	<5 ppb		EPA 8260
03/12/09	Ethylbenzene	<5 ppb		EPA 8260
03/12/09	Freon 113	<5 ppb		EPA 8260
03/12/09	Isopropylbenzene	<5 ppb		EPA 8260
03/12/09	Methyl isobutyl ketone (MIBK)	<5 ppb		EPA 8260
03/12/09	Methylene Chloride	<5 ppb		EPA 8260
03/12/09	Methyl-tert-butyl-ether	<5 ppb		EPA 8260
03/12/09	n-Butylbenzene	<5 ppb		EPA 8260
03/12/09	n-Propylbenzene	<5 ppb		EPA 8260
03/12/09	p-Diethylbenzene	<5 ppb		EPA 8260
03/12/09	p-Ethyltoluene	<5 ppb		EPA 8260
03/12/09	p-Isopropyltoluene	<5 ppb		EPA 8260
03/12/09	sec-Butylbenzene	<5 ppb		EPA 8260
03/12/09	Styrene	<5 ppb		EPA 8260
03/12/09	tert-Butylbenzene	<5 ppb		EPA 8260

JMS Environmental Services, Inc.
WATER, SOIL AND AIR ANALYSIS
41 Kenosia Avenue
Danbury, Connecticut 06810 | Telephone 203-798-2229

Impact Environmental: 1738

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct
City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information:
Name: Erik Curran
Address of site: 666 Green Ave
City: Not Specified
State: NY **Zip:**
Phone:

JMS ID: 080125

Sample's Information: **Sample ID:** SB3

Site: 0-2'
Preservative: N/A
Temperature:
Matrix: Soil

Date Collected: 3/10/2009
Time Collected: 12:00:00 PM

Date Received: 3/11/2009
Time Received: 5:10:00 PM
Lab No.: J0901587

Date Analyzed	Test Name	Result	MCL	Method
03/12/09	Tetrachloroethene	<5 ppb		EPA 8260
03/12/09	Toluene	<5 ppb		EPA 8260
03/12/09	Total Xylenes	<5 ppb		EPA 8260
03/12/09	trans-1,2-Dichloroethene	<5 ppb		EPA 8260
03/12/09	trans-1,3-Dichloropropene	<5 ppb		EPA 8260
03/12/09	Trichloroethene	<5 ppb		EPA 8260
03/12/09	Trichlorofluoromethane	<5 ppb		EPA 8260
03/12/09	Vinyl Acetate	<5 ppb		EPA 8260
03/12/09	Vinyl chloride	<5 ppb		EPA 8260
03/13/09	2,4,5-Trichlorophenol	<330 ppb		EPA 8270
03/13/09	2,4,6-Trichlorophenol	<330 ppb		EPA 8270
03/13/09	2,4-Dichlorophenol	<330 ppb		EPA 8270
03/13/09	2,4-Dimethylphenol	<330 ppb		EPA 8270
03/13/09	2,4-Dinitrophenol	<330 ppb		EPA 8270
03/13/09	2,4-Dinitrotoluene	<330 ppb		EPA 8270
03/13/09	2,6-Dinitrotoluene	<330 ppb		EPA 8270
03/13/09	2-Chloronaphthalene	<330 ppb		EPA 8270
03/13/09	2-Chlorophenol	<330 ppb		EPA 8270
03/13/09	2-Methylnaphthalene	<330 ppb		EPA 8270
03/13/09	2-Methylphenol (o-Cresol)	<330 ppb		EPA 8270
03/13/09	2-Nitroaniline	<330 ppb		EPA 8270
03/13/09	2-Nitrophenol	<330 ppb		EPA 8270
03/13/09	3,3'-Dichlorobenzidine	<330 ppb		EPA 8270
03/13/09	3-Nitroaniline	<330 ppb		EPA 8270
03/13/09	4,6-Dinitro-2-methylphenol	<330 ppb		EPA 8270
03/13/09	4-Bromophenyl Phenyl Ether	<330 ppb		EPA 8270
03/13/09	4-Chloro-3-Methylphenol	<330 ppb		EPA 8270
03/13/09	4-Chloroaniline	<330 ppb		EPA 8270
03/13/09	4-Chlorophenylphenyl ether	<330 ppb		EPA 8270
03/13/09	4-Methylphenol (p-Cresol)	<330 ppb		EPA 8270
03/13/09	4-Nitroaniline	<330 ppb		EPA 8270

JMS Environmental Services, Inc.
WATER, SOIL AND AIR ANALYSIS
41 Kenosia Avenue
Danbury, Connecticut 06810 | Telephone 203-798-2229

Impact Environmental: 1738

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct
City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information:
Name: Erik Curran
Address of site: 666 Green Ave
City: Not Specified
State: NY **Zip:**
Phone:

JMS ID: 080125

Sample's Information: **Sample ID:** SB3

Site: 0-2'
Preservative: N/A
Temperature:
Matrix: Soil

Date Collected: 3/10/2009
Time Collected: 12:00:00 PM

Date Received: 3/11/2009
Time Received: 5:10:00 PM
Lab No.: J0901587

Date Analyzed	Test Name	Result	MCL	Method
03/13/09	4-Nitrophenol	<330 ppb		EPA 8270
03/13/09	Acenaphthene	<330 ppb		EPA 8270
03/13/09	Acenaphthylene	<330 ppb		EPA 8270
03/13/09	Aniline	<330 ppb		EPA 8270
03/13/09	Anthracene	<330 ppb		EPA 8270
03/13/09	Benzo(a)anthracene	<330 ppb		EPA 8270
03/13/09	Benzo(a)pyrene	<330 ppb		EPA 8270
03/13/09	Benzo(b)fluoranthene	<330 ppb		EPA 8270
03/13/09	Benzo(g,h,i)perylene	<330 ppb		EPA 8270
03/13/09	Benzo(k)fluoranthene	<330 ppb		EPA 8270
03/13/09	Benzyl Alcohol	<330 ppb		EPA 8270
03/13/09	bis(2-Chloroethoxy)methane	<330 ppb		EPA 8270
03/13/09	bis(2-Chloroethyl) ether	<330 ppb		EPA 8270
03/13/09	bis(2-Chloroisopropyl) ether	<330 ppb		EPA 8270
03/13/09	bis(2-ethylhexyl)phthalate	<330 ppb		EPA 8270
03/13/09	Benzyl Butyl Phthalate	<330 ppb		EPA 8270
03/13/09	Chrysene	<330 ppb		EPA 8270
03/13/09	Dibenz(a,h)anthracene	<330 ppb		EPA 8270
03/13/09	Dibenzofuran	<330 ppb		EPA 8270
03/13/09	Diethyl Phthalate	<330 ppb		EPA 8270
03/13/09	Dimethyl Phthalate	<330 ppb		EPA 8270
03/13/09	Di-N-Butylyphthalate	<330 ppb		EPA 8270
03/13/09	Dinitrotoluene(2,4-/2,6-)	<330 ppb		EPA 8270
03/13/09	Di-n-octyl phthalate	<330 ppb		EPA 8270
03/13/09	Fluoranthene	<330 ppb		EPA 8270
03/13/09	Fluorene	<330 ppb		EPA 8270
03/13/09	Hexachlorobenzene	<330 ppb		EPA 8270
03/13/09	Hexachlorocyclopentadiene	<330 ppb		EPA 8270
03/13/09	Hexachlorobutadiene	<330 ppb		EPA 8270
03/13/09	Hexachloroethane	<330 ppb		EPA 8270
03/13/09	Indeno(1,2,3-cd)pyrene	<330 ppb		EPA 8270

JMS Environmental Services, Inc.
WATER, SOIL AND AIR ANALYSIS
41 Kenosia Avenue
Danbury, Connecticut 06810 | Telephone 203-798-2229

Impact Environmental: 1738

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct
City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information:
Name: Erik Curran
Address of site: 666 Green Ave
City: Not Specified
State: NY **Zip:**
Phone:

JMS ID: 080125

Sample's Information: **Sample ID:** SB3

Site: 0-2'
Preservative: N/A
Temperature:
Matrix: Soil

Date Collected: 3/10/2009
Time Collected: 12:00:00 PM

Date Received: 3/11/2009
Time Received: 5:10:00 PM
Lab No.: J0901587

Date Analyzed	Test Name	Result	MCL	Method
03/13/09	Isophorone	<330 ppb		EPA 8270
03/13/09	m-Cresol	<330 ppb		EPA 8270
03/13/09	Naphthalene	<330 ppb		EPA 8270
03/13/09	Nitrobenzene	<330 ppb		EPA 8270
03/13/09	n-Nitrosodi-n-propylamine	<330 ppb		EPA 8270
03/13/09	n-Nitrosodiphenylamine	<330 ppb		EPA 8270
03/13/09	Pentachlorophenol	<330 ppb		EPA 8270
03/13/09	Phenanthrene	<330 ppb		EPA 8270
03/13/09	Phenol	<330 ppb		EPA 8270
03/13/09	Pyrene	<330 ppb		EPA 8270
03/12/09	4,4'-DDD	<2 ppb	N/A	EPA 8081
03/12/09	4,4'-DDE	<2 ppb	N/A	EPA 8081
03/12/09	4,4'-DDT	<2 ppb	N/A	EPA 8081
03/12/09	Aldrin	<2 ppb	N/A	EPA 8081
03/12/09	a-BHC	<2 ppb	N/A	EPA 8081
03/12/09	Arochlor 1016	<50 ppb		SW 8082
03/12/09	Arochlor 1221	<50 ppb		SW 8082
03/12/09	Arochlor 1232	<50 ppb		SW 8082
03/12/09	Arochlor 1242	<50 ppb		SW 8082
03/12/09	Arochlor 1248	<50 ppb		SW 8082
03/12/09	Arochlor 1254	<50 ppb		SW 8082
03/12/09	Arochlor 1260	<50 ppb		SW 8082
03/12/09	b-BHC	<2 ppb	N/A	EPA 8081
03/12/09	Chlordane, alpha	<2 ppb	N/A	EPA 8081
03/12/09	d-BHC	<2 ppb	N/A	EPA 8081
03/12/09	Dieldrin	<2 ppb	N/A	EPA 8081
03/12/09	Endosulfan	<2 ppb	N/A	EPA 8081
03/12/09	Endosulfan I	<2 ppb	N/A	EPA 8081
03/12/09	Endosulfan II	<2 ppb	N/A	EPA 8081
03/12/09	Endosulfan Sulfate	<2 ppb	N/A	EPA 8081
03/12/09	Endrin	<2 ppb	N/A	EPA 8081

JMS Environmental Services, Inc.
WATER, SOIL AND AIR ANALYSIS
41 Kenosia Avenue
Danbury, Connecticut 06810 | Telephone 203-798-2229

Impact Environmental: 1738

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct
City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information:
Name: Erik Curran
Address of site: 666 Green Ave
City: Not Specified
State: NY **Zip:**
Phone:

JMS ID: 080125

Sample's Information: **Sample ID:** SB3

Site: 0-2'
Preservative: N/A
Temperature:
Matrix: Soil

Date Collected: 3/10/2009
Time Collected: 12:00:00 PM

Date Received: 3/11/2009
Time Received: 5:10:00 PM
Lab No.: J0901587

Date Analyzed	Test Name	Result	MCL	Method
03/12/09	Endrin Aldehyde	<2 ppb	N/A	EPA 8081
03/12/09	Endrin Ketone	<2 ppb	N/A	EPA 8081
03/12/09	g-BHC	<2 ppb	N/A	EPA 8081
03/12/09	Heptachlor	<2 ppb	N/A	EPA 8081
03/12/09	Heptachlor epoxide	<2 ppb	N/A	EPA 8081
03/12/09	Methoxychlor	<2 ppb	N/A	EPA 8081
03/12/09	Mitotane	<2 ppb	N/A	EPA 8081
03/12/09	Parathion	<30 ppb	N/A	EPA 8081
03/12/09	Polychlorinated biphenyls (PCBs	<50 ppb		SW 8082
03/12/09	Toxaphene	<100 ppb	N/A	EPA 8081
03/13/09	Aluminum	9308 ppm	N/A	6010/E200.7
03/13/09	Antimony	0.228 ppm	N/A	6010/E200.7
03/13/09	Arsenic	0.654 ppm	N/A	6010/E200.7
03/13/09	Barium	62.5 ppm	N/A	6010/E200.7
03/13/09	Beryllium	0.392 ppm	N/A	6010/E200.7
03/13/09	Cadmium	1.02 ppm	N/A	6010/E200.7
03/13/09	Calcium	1436 ppm	N/A	6010/E200.7
03/13/09	Chromium	16.7 ppm	N/A	6010/E200.7
03/13/09	Chromium, Trivalent	16.7 ppm	N/A	6010/E200.7
03/13/09	Cobalt	7.1 ppm	N/A	6010/E200.7
03/13/09	Copper	17.4 ppm	N/A	6010/E200.7
03/13/09	Iron	18362 ppm	N/A	6010/E200.7
03/13/09	Lead	4.97 ppm	N/A	6010/E200.7
03/13/09	Magnesium	2113 ppm	N/A	6010/E200.7
03/13/09	Manganese	514 ppm	N/A	6010/E200.7
03/12/09	Mercury	<0.1 ppm	N/A	SW-7471
03/13/09	Nickel	21.6 ppm	N/A	6010/E200.7
03/13/09	Potassium	883 ppm	N/A	6010/E200.7
03/13/09	Selenium	<0.1 ppm	N/A	6010/E200.7
03/13/09	Silver	<0.1 ppm	N/A	6010/E200.7
03/13/09	Sodium	102 ppm	N/A	6010/E200.7

JMS Environmental Services, Inc.
WATER, SOIL AND AIR ANALYSIS
41 Kenosia Avenue
Danbury, Connecticut 06810 | Telephone 203-798-2229

Impact Environmental: 1738

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct
City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information:
Name: Erik Curran
Address of site: 666 Green Ave
City: Not Specified
State: NY **Zip:**
Phone:

JMS ID: 080125

Sample's Information: **Sample ID:** SB3

Site: 0-2'
Preservative: N/A
Temperature:
Matrix: Soil

Date Collected: 3/10/2009
Time Collected: 12:00:00 PM

Date Received: 3/11/2009
Time Received: 5:10:00 PM
Lab No.: J0901587

Date Analyzed	Test Name	Result	MCL	Method
03/13/09	Thallium	<0.1 ppm	N/A	6010/E200.7
03/13/09	Vanadium	28.3 ppm	N/A	6010/E200.7
03/13/09	Zinc	28.7 ppm	N/A	6010/E200.7

MCL = Maximum Contaminant Level **N/A = Not Applicable** **ppb = parts per billion**
ppm = parts per million

Signature: Michael Lapman
Michael Lapman
President

Reviewed By: Sharon Houlahan
Sharon Houlahan, Director

State #: PH-0218 ELAP #: 11715 Ref Lab: 11301,

JMS Environmental Services, Inc.
WATER, SOIL AND AIR ANALYSIS
41 Kenosia Avenue
Danbury, Connecticut 06810 | Telephone 203-798-2229

Impact Environmental: 1738

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct
City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information:
Name: Erik Curran
Address of site: 666 Green Ave
City: Not Specified
State: NY **Zip:**
Phone:

JMS ID: 080126

Sample's Information: **Sample ID:** SB3

Site: 10'
Preservative: N/A
Temperature:
Matrix: Soil

Date Collected: 3/10/2009
Time Collected: 12:00:00 PM

Date Received: 3/11/2009
Time Received: 5:10:00 PM
Lab No.: J0901588

Date Analyzed	Test Name	Result	MCL	Method
03/12/09	1,1,1,2-tetrachloroethane	<5 ppb		EPA 8260
03/12/09	1,1,1-Trichloroethane	<5 ppb		EPA 8260
03/12/09	1,1,2,2-Tetrachloroethane	<5 ppb		EPA 8260
03/12/09	1,1,2-Trichloroethane	<5 ppb		EPA 8260
03/12/09	1,1-Dichloroethane	<5 ppb		EPA 8260
03/12/09	1,1-Dichloroethene	<5 ppb		EPA 8260
03/12/09	1,1-Dichloropropene	<5 ppb		EPA 8260
03/12/09	1,2,3-Trichlorobenzene	<5 ppb		EPA 8260
03/12/09	1,2,3-Trichloropropane	<5 ppb		EPA 8260
03/12/09	1,2,4,5-tetramethylbenzene	<5 ppb		EPA 8260
03/12/09	1,2,4-Trichlorobenzene	<5 ppb		EPA 8260
03/12/09	1,2,4-Trimethylbenzene	<5 ppb		EPA 8260
03/12/09	1,2-Dibromo-3-Chloropropane	<5 ppb		EPA 8260
03/12/09	1,2-Dibromoethane	<5 ppb		EPA 8260
03/12/09	1,2-Dichlorobenzene	<5 ppb		EPA 8260
03/12/09	1,2-Dichloroethane	<5 ppb		EPA 8260
03/12/09	1,2-Dichloropropane	<5 ppb		EPA 8260
03/12/09	1,3,5-Trimethylbenzene	<5 ppb		EPA 8260
03/12/09	1,3-Dichlorobenzene	<5 ppb		EPA 8260
03/12/09	1,3-Dichloropropane	<5 ppb		EPA 8260
03/12/09	1,3-Dichloropropene(cis and tran	<5 ppb		EPA 8260
03/12/09	1,4-Dichlorobenzene	<5 ppb		EPA 8260
03/12/09	1,4-dioxane	<5 ppb		EPA 8260
03/12/09	2,2-Dichloropropane	<5 ppb		EPA 8260
03/12/09	2-Butanone (MEK)	<5 ppb		EPA 8260
03/12/09	2-Chlorotoluene	<5 ppb		EPA 8260
03/12/09	2-Hexanone	<5 ppb		EPA 8260
03/12/09	4-Chlorotoluene	<5 ppb		EPA 8260
03/12/09	4-Methyl-2-pentanone (MIBK)	<5 ppb		EPA 8260
03/12/09	Acetone	<5 ppb		EPA 8260
03/12/09	Acrylonitrile	<5 ppb		EPA 8260

JMS Environmental Services, Inc.
WATER, SOIL AND AIR ANALYSIS
41 Kenosia Avenue
Danbury, Connecticut 06810 | Telephone 203-798-2229

Impact Environmental: 1738

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct
City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information:
Name: Erik Curran
Address of site: 666 Green Ave
City: Not Specified
State: NY **Zip:**
Phone:

JMS ID: 080126

Sample's Information: **Sample ID:** SB3

Site: 10'
Preservative: N/A
Temperature:
Matrix: Soil

Date Collected: 3/10/2009
Time Collected: 12:00:00 PM

Date Received: 3/11/2009
Time Received: 5:10:00 PM
Lab No.: J0901588

Date Analyzed	Test Name	Result	MCL	Method
03/12/09	Benzene	<5 ppb		EPA 8260
03/12/09	Bromobenzene	<5 ppb		EPA 8260
03/12/09	Bromochloromethane	<5 ppb		EPA 8260
03/12/09	Bromodichloromethane	<5 ppb		EPA 8260
03/12/09	Bromoform	<5 ppb		EPA 8260
03/12/09	Bromomethane	<5 ppb		EPA 8260
03/12/09	Carbon disulfide	<5 ppb		EPA 8260
03/12/09	Carbon tetrachloride	<5 ppb		EPA 8260
03/12/09	Chlorobenzene	<5 ppb		EPA 8260
03/12/09	Chlorodibromomethane	<5 ppb		EPA 8260
03/12/09	Chloroethane	<5 ppb		EPA 8260
03/12/09	Chloroform	<5 ppb		EPA 8260
03/12/09	Chloromethane	<5 ppb		EPA 8260
03/12/09	cis-1,2-Dichloroethene	<5 ppb		EPA 8260
03/12/09	cis-1,3-Dichloropropene	<5 ppb		EPA 8260
03/12/09	Dibromoethane	<5 ppb		EPA 8260
03/12/09	Dichlorodifluoromethane	<5 ppb		EPA 8260
03/12/09	Ethylbenzene	<5 ppb		EPA 8260
03/12/09	Freon 113	<5 ppb		EPA 8260
03/12/09	Isopropylbenzene	<5 ppb		EPA 8260
03/12/09	Methyl isobutyl ketone (MIBK)	<5 ppb		EPA 8260
03/12/09	Methylene Chloride	<5 ppb		EPA 8260
03/12/09	Methyl-tert-butyl-ether	<5 ppb		EPA 8260
03/12/09	n-Butylbenzene	<5 ppb		EPA 8260
03/12/09	n-Propylbenzene	<5 ppb		EPA 8260
03/12/09	p-Diethylbenzene	<5 ppb		EPA 8260
03/12/09	p-Ethyltoluene	<5 ppb		EPA 8260
03/12/09	p-Isopropyltoluene	<5 ppb		EPA 8260
03/12/09	sec-Butylbenzene	<5 ppb		EPA 8260
03/12/09	Styrene	<5 ppb		EPA 8260
03/12/09	tert-Butylbenzene	<5 ppb		EPA 8260

JMS Environmental Services, Inc.
WATER, SOIL AND AIR ANALYSIS
41 Kenosia Avenue
Danbury, Connecticut 06810 | Telephone 203-798-2229

Impact Environmental: 1738

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct
City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information:
Name: Erik Curran
Address of site: 666 Green Ave
City: Not Specified
State: NY **Zip:**
Phone:

JMS ID: 080126

Sample's Information: **Sample ID:** SB3

Site: 10'
Preservative: N/A
Temperature:
Matrix: Soil

Date Collected: 3/10/2009
Time Collected: 12:00:00 PM

Date Received: 3/11/2009
Time Received: 5:10:00 PM
Lab No.: J0901588

Date Analyzed	Test Name	Result	MCL	Method
03/12/09	Tetrachloroethene	<5 ppb		EPA 8260
03/12/09	Toluene	<5 ppb		EPA 8260
03/12/09	Total Xylenes	<5 ppb		EPA 8260
03/12/09	trans-1,2-Dichloroethene	<5 ppb		EPA 8260
03/12/09	trans-1,3-Dichloropropene	<5 ppb		EPA 8260
03/12/09	Trichloroethene	<5 ppb		EPA 8260
03/12/09	Trichlorofluoromethane	<5 ppb		EPA 8260
03/12/09	Vinyl Acetate	<5 ppb		EPA 8260
03/12/09	Vinyl chloride	<5 ppb		EPA 8260
03/13/09	2,4,5-Trichlorophenol	<330 ppb		EPA 8270
03/13/09	2,4,6-Trichlorophenol	<330 ppb		EPA 8270
03/13/09	2,4-Dichlorophenol	<330 ppb		EPA 8270
03/13/09	2,4-Dimethylphenol	<330 ppb		EPA 8270
03/13/09	2,4-Dinitrophenol	<330 ppb		EPA 8270
03/13/09	2,4-Dinitrotoluene	<330 ppb		EPA 8270
03/13/09	2,6-Dinitrotoluene	<330 ppb		EPA 8270
03/13/09	2-Chloronaphthalene	<330 ppb		EPA 8270
03/13/09	2-Chlorophenol	<330 ppb		EPA 8270
03/13/09	2-Methylnaphthalene	<330 ppb		EPA 8270
03/13/09	2-Methylphenol (o-Cresol)	<330 ppb		EPA 8270
03/13/09	2-Nitroaniline	<330 ppb		EPA 8270
03/13/09	2-Nitrophenol	<330 ppb		EPA 8270
03/13/09	3,3'-Dichlorobenzidine	<330 ppb		EPA 8270
03/13/09	3-Nitroaniline	<330 ppb		EPA 8270
03/13/09	4,6-Dinitro-2-methylphenol	<330 ppb		EPA 8270
03/13/09	4-Bromophenyl Phenyl Ether	<330 ppb		EPA 8270
03/13/09	4-Chloro-3-Methylphenol	<330 ppb		EPA 8270
03/13/09	4-Chloroaniline	<330 ppb		EPA 8270
03/13/09	4-Chlorophenylphenyl ether	<330 ppb		EPA 8270
03/13/09	4-Methylphenol (p-Cresol)	<330 ppb		EPA 8270
03/13/09	4-Nitroaniline	<330 ppb		EPA 8270

JMS Environmental Services, Inc.
WATER, SOIL AND AIR ANALYSIS
41 Kenosia Avenue
Danbury, Connecticut 06810 | Telephone 203-798-2229

Impact Environmental: 1738

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct
City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information:
Name: Erik Curran
Address of site: 666 Green Ave
City: Not Specified
State: NY **Zip:**
Phone:

JMS ID: 080126

Sample's Information: **Sample ID:** SB3

Site: 10'
Preservative: N/A
Temperature:
Matrix: Soil

Date Collected: 3/10/2009
Time Collected: 12:00:00 PM

Date Received: 3/11/2009
Time Received: 5:10:00 PM
Lab No.: J0901588

Date Analyzed	Test Name	Result	MCL	Method
03/13/09	4-Nitrophenol	<330 ppb		EPA 8270
03/13/09	Acenaphthene	<330 ppb		EPA 8270
03/13/09	Acenaphthylene	<330 ppb		EPA 8270
03/13/09	Aniline	<330 ppb		EPA 8270
03/13/09	Anthracene	<330 ppb		EPA 8270
03/13/09	Benzo(a)anthracene	<330 ppb		EPA 8270
03/13/09	Benzo(a)pyrene	<330 ppb		EPA 8270
03/13/09	Benzo(b)fluoranthene	<330 ppb		EPA 8270
03/13/09	Benzo(g,h,i)perylene	<330 ppb		EPA 8270
03/13/09	Benzo(k)fluoranthene	<330 ppb		EPA 8270
03/13/09	Benzyl Alcohol	<330 ppb		EPA 8270
03/13/09	bis(2-Chloroethoxy)methane	<330 ppb		EPA 8270
03/13/09	bis(2-Chloroethyl) ether	<330 ppb		EPA 8270
03/13/09	bis(2-Chloroisopropyl) ether	<330 ppb		EPA 8270
03/13/09	bis(2-ethylhexyl)phthalate	<330 ppb		EPA 8270
03/13/09	Benzyl Butyl Phthalate	<330 ppb		EPA 8270
03/13/09	Chrysene	<330 ppb		EPA 8270
03/13/09	Dibenz(a,h)anthracene	<330 ppb		EPA 8270
03/13/09	Dibenzofuran	<330 ppb		EPA 8270
03/13/09	Diethyl Phthalate	<330 ppb		EPA 8270
03/13/09	Dimethyl Phthalate	<330 ppb		EPA 8270
03/13/09	Di-N-Butylyphthalate	<330 ppb		EPA 8270
03/13/09	Dinitrotoluene(2,4-/2,6-)	<330 ppb		EPA 8270
03/13/09	Di-n-octyl phthalate	<330 ppb		EPA 8270
03/13/09	Fluoranthene	<330 ppb		EPA 8270
03/13/09	Fluorene	<330 ppb		EPA 8270
03/13/09	Hexachlorobenzene	<330 ppb		EPA 8270
03/13/09	Hexachlorocyclopentadiene	<330 ppb		EPA 8270
03/13/09	Hexachlorobutadiene	<330 ppb		EPA 8270
03/13/09	Hexachloroethane	<330 ppb		EPA 8270
03/13/09	Indeno(1,2,3-cd)pyrene	<330 ppb		EPA 8270

JMS Environmental Services, Inc.
WATER, SOIL AND AIR ANALYSIS
41 Kenosia Avenue
Danbury, Connecticut 06810 | Telephone 203-798-2229

Impact Environmental: 1738

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct
City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information:
Name: Erik Curran
Address of site: 666 Green Ave
City: Not Specified
State: NY **Zip:**
Phone:

JMS ID: 080126

Sample's Information: **Sample ID:** SB3

Site: 10'
Preservative: N/A
Temperature:
Matrix: Soil

Date Collected: 3/10/2009
Time Collected: 12:00:00 PM

Date Received: 3/11/2009
Time Received: 5:10:00 PM
Lab No.: J0901588

Date Analyzed	Test Name	Result	MCL	Method
03/13/09	Isophorone	<330 ppb		EPA 8270
03/13/09	m-Cresol	<330 ppb		EPA 8270
03/13/09	Naphthalene	<330 ppb		EPA 8270
03/13/09	Nitrobenzene	<330 ppb		EPA 8270
03/13/09	n-Nitrosodi-n-propylamine	<330 ppb		EPA 8270
03/13/09	n-Nitrosodiphenylamine	<330 ppb		EPA 8270
03/13/09	Pentachlorophenol	<330 ppb		EPA 8270
03/13/09	Phenanthrene	<330 ppb		EPA 8270
03/13/09	Phenol	<330 ppb		EPA 8270
03/13/09	Pyrene	<330 ppb		EPA 8270
03/12/09	4,4'-DDD	<2 ppb	N/A	EPA 8081
03/12/09	4,4'-DDE	<2 ppb	N/A	EPA 8081
03/12/09	4,4'-DDT	<2 ppb	N/A	EPA 8081
03/12/09	Aldrin	<2 ppb	N/A	EPA 8081
03/12/09	a-BHC	<2 ppb	N/A	EPA 8081
03/12/09	Arochlor 1016	<50 ppb		SW 8082
03/12/09	Arochlor 1221	<50 ppb		SW 8082
03/12/09	Arochlor 1232	<50 ppb		SW 8082
03/12/09	Arochlor 1242	<50 ppb		SW 8082
03/12/09	Arochlor 1248	<50 ppb		SW 8082
03/12/09	Arochlor 1254	<50 ppb		SW 8082
03/12/09	Arochlor 1260	<50 ppb		SW 8082
03/12/09	b-BHC	<2 ppb	N/A	EPA 8081
03/12/09	Chlordane, alpha	<2 ppb	N/A	EPA 8081
03/12/09	d-BHC	<2 ppb	N/A	EPA 8081
03/12/09	Dieldrin	<2 ppb	N/A	EPA 8081
03/12/09	Endosulfan	<2 ppb	N/A	EPA 8081
03/12/09	Endosulfan I	<2 ppb	N/A	EPA 8081
03/12/09	Endosulfan II	<2 ppb	N/A	EPA 8081
03/12/09	Endosulfan Sulfate	<2 ppb	N/A	EPA 8081
03/12/09	Endrin	<2 ppb	N/A	EPA 8081

JMS Environmental Services, Inc.
WATER, SOIL AND AIR ANALYSIS
41 Kenosia Avenue
Danbury, Connecticut 06810 | Telephone 203-798-2229

Impact Environmental: 1738

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct
City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information:
Name: Erik Curran
Address of site: 666 Green Ave
City: Not Specified
State: NY **Zip:**
Phone:

JMS ID: 080126

Sample's Information: **Sample ID:** SB3

Site: 10'
Preservative: N/A
Temperature:
Matrix: Soil

Date Collected: 3/10/2009
Time Collected: 12:00:00 PM

Date Received: 3/11/2009
Time Received: 5:10:00 PM
Lab No.: J0901588

Date Analyzed	Test Name	Result	MCL	Method
03/12/09	Endrin Aldehyde	<2 ppb	N/A	EPA 8081
03/12/09	Endrin Ketone	<2 ppb	N/A	EPA 8081
03/12/09	g-BHC	<2 ppb	N/A	EPA 8081
03/12/09	Heptachlor	<2 ppb	N/A	EPA 8081
03/12/09	Heptachlor epoxide	<2 ppb	N/A	EPA 8081
03/12/09	Methoxychlor	<2 ppb	N/A	EPA 8081
03/12/09	Mitotane	<2 ppb	N/A	EPA 8081
03/12/09	Parathion	<30 ppb	N/A	EPA 8081
03/12/09	Polychlorinated biphenyls (PCBs	<50 ppb		SW 8082
03/12/09	Toxaphene	<100 ppb	N/A	EPA 8081
03/13/09	Aluminum	18452 ppm	N/A	6010/E200.7
03/13/09	Antimony	1.02 ppm	N/A	6010/E200.7
03/13/09	Arsenic	3.3 ppm	N/A	6010/E200.7
03/13/09	Barium	42.5 ppm	N/A	6010/E200.7
03/13/09	Beryllium	0.453 ppm	N/A	6010/E200.7
03/13/09	Cadmium	1.28 ppm	N/A	6010/E200.7
03/13/09	Calcium	882 ppm	N/A	6010/E200.7
03/13/09	Chromium	21.2 ppm	N/A	6010/E200.7
03/13/09	Chromium, Trivalent	21.2 ppm	N/A	6010/E200.7
03/13/09	Cobalt	8.91 ppm	N/A	6010/E200.7
03/13/09	Copper	17.1 ppm	N/A	6010/E200.7
03/13/09	Iron	23513 ppm	N/A	6010/E200.7
03/13/09	Lead	12.6 ppm	N/A	6010/E200.7
03/13/09	Magnesium	2483 ppm	N/A	6010/E200.7
03/13/09	Manganese	248 ppm	N/A	6010/E200.7
03/12/09	Mercury	<0.1 ppm	N/A	SW-7471
03/13/09	Nickel	14.9 ppm	N/A	6010/E200.7
03/13/09	Potassium	1040 ppm	N/A	6010/E200.7
03/13/09	Selenium	<0.1 ppm	N/A	6010/E200.7
03/13/09	Silver	<0.1 ppm	N/A	6010/E200.7
03/13/09	Sodium	67.5 ppm	N/A	6010/E200.7

JMS Environmental Services, Inc.
WATER, SOIL AND AIR ANALYSIS
41 Kenosia Avenue
Danbury, Connecticut 06810 | Telephone 203-798-2229

Impact Environmental: 1738

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct
City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information:
Name: Erik Curran
Address of site: 666 Green Ave
City: Not Specified
State: NY **Zip:**
Phone:

JMS ID: 080126

Sample's Information: **Sample ID:** SB3

Site: 10'
Preservative: N/A
Temperature:
Matrix: Soil

Date Collected: 3/10/2009
Time Collected: 12:00:00 PM

Date Received: 3/11/2009
Time Received: 5:10:00 PM
Lab No.: J0901588

Date Analyzed	Test Name	Result	MCL	Method
03/13/09	Thallium	<0.1 ppm	N/A	6010/E200.7
03/13/09	Vanadium	40.6 ppm	N/A	6010/E200.7
03/13/09	Zinc	40.1 ppm	N/A	6010/E200.7

MCL = Maximum Contaminant Level **N/A = Not Applicable** **ppb = parts per billion**
ppm = parts per million

Signature: Michael Lapman
Michael Lapman
President

Reviewed By: Sharon Houlahan
Sharon Houlahan, Director

State #: PH-0218 ELAP #: 11715 Ref Lab: 11301,

JMS Environmental Services, Inc.
WATER, SOIL AND AIR ANALYSIS
41 Kenosia Avenue
Danbury, Connecticut 06810 | Telephone 203-798-2229

Impact Environmental: 1738

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct
City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information:
Name: Erik Curran
Address of site: 666 Green Ave
City: Not Specified
State: NY **Zip:**
Phone:

JMS ID: 080127

Sample's Information: **Sample ID:** SB4

Site: 0-2'
Preservative: N/A
Temperature:
Matrix: Soil

Date Collected: 3/10/2009
Time Collected: 12:00:00 PM

Date Received: 3/11/2009
Time Received: 5:10:00 PM
Lab No.: J0901589

Date Analyzed	Test Name	Result	MCL	Method
03/12/09	1,1,1,2-tetrachloroethane	<5 ppb		EPA 8260
03/12/09	1,1,1-Trichloroethane	<5 ppb		EPA 8260
03/12/09	1,1,2,2-Tetrachloroethane	<5 ppb		EPA 8260
03/12/09	1,1,2-Trichloroethane	<5 ppb		EPA 8260
03/12/09	1,1-Dichloroethane	<5 ppb		EPA 8260
03/12/09	1,1-Dichloroethene	<5 ppb		EPA 8260
03/12/09	1,1-Dichloropropene	<5 ppb		EPA 8260
03/12/09	1,2,3-Trichlorobenzene	<5 ppb		EPA 8260
03/12/09	1,2,3-Trichloropropane	<5 ppb		EPA 8260
03/12/09	1,2,4,5-tetramethylbenzene	<5 ppb		EPA 8260
03/12/09	1,2,4-Trichlorobenzene	<5 ppb		EPA 8260
03/12/09	1,2,4-Trimethylbenzene	<5 ppb		EPA 8260
03/12/09	1,2-Dibromo-3-Chloropropane	<5 ppb		EPA 8260
03/12/09	1,2-Dibromoethane	<5 ppb		EPA 8260
03/12/09	1,2-Dichlorobenzene	<5 ppb		EPA 8260
03/12/09	1,2-Dichloroethane	<5 ppb		EPA 8260
03/12/09	1,2-Dichloropropane	<5 ppb		EPA 8260
03/12/09	1,3,5-Trimethylbenzene	<5 ppb		EPA 8260
03/12/09	1,3-Dichlorobenzene	<5 ppb		EPA 8260
03/12/09	1,3-Dichloropropane	<5 ppb		EPA 8260
03/12/09	1,3-Dichloropropene(cis and tran	<5 ppb		EPA 8260
03/12/09	1,4-Dichlorobenzene	<5 ppb		EPA 8260
03/12/09	1,4-dioxane	<5 ppb		EPA 8260
03/12/09	2,2-Dichloropropane	<5 ppb		EPA 8260
03/12/09	2-Butanone (MEK)	<5 ppb		EPA 8260
03/12/09	2-Chlorotoluene	<5 ppb		EPA 8260
03/12/09	2-Hexanone	<5 ppb		EPA 8260
03/12/09	4-Chlorotoluene	<5 ppb		EPA 8260
03/12/09	4-Methyl-2-pentanone (MIBK)	<5 ppb		EPA 8260
03/12/09	Acetone	<5 ppb		EPA 8260
03/12/09	Acrylonitrile	<5 ppb		EPA 8260

JMS Environmental Services, Inc.
WATER, SOIL AND AIR ANALYSIS
41 Kenosia Avenue
Danbury, Connecticut 06810 | Telephone 203-798-2229

Impact Environmental: 1738

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct
City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information:
Name: Erik Curran
Address of site: 666 Green Ave
City: Not Specified
State: NY **Zip:**
Phone:

JMS ID: 080127

Sample's Information: **Sample ID:** SB4

Site: 0-2'
Preservative: N/A
Temperature:
Matrix: Soil

Date Collected: 3/10/2009
Time Collected: 12:00:00 PM

Date Received: 3/11/2009
Time Received: 5:10:00 PM
Lab No.: J0901589

Date Analyzed	Test Name	Result	MCL	Method
03/12/09	Benzene	<5 ppb		EPA 8260
03/12/09	Bromobenzene	<5 ppb		EPA 8260
03/12/09	Bromochloromethane	<5 ppb		EPA 8260
03/12/09	Bromodichloromethane	<5 ppb		EPA 8260
03/12/09	Bromoform	<5 ppb		EPA 8260
03/12/09	Bromomethane	<5 ppb		EPA 8260
03/12/09	Carbon disulfide	<5 ppb		EPA 8260
03/12/09	Carbon tetrachloride	<5 ppb		EPA 8260
03/12/09	Chlorobenzene	<5 ppb		EPA 8260
03/12/09	Chlorodibromomethane	<5 ppb		EPA 8260
03/12/09	Chloroethane	<5 ppb		EPA 8260
03/12/09	Chloroform	<5 ppb		EPA 8260
03/12/09	Chloromethane	<5 ppb		EPA 8260
03/12/09	cis-1,2-Dichloroethene	<5 ppb		EPA 8260
03/12/09	cis-1,3-Dichloropropene	<5 ppb		EPA 8260
03/12/09	Dibromoethane	<5 ppb		EPA 8260
03/12/09	Dichlorodifluoromethane	<5 ppb		EPA 8260
03/12/09	Ethylbenzene	<5 ppb		EPA 8260
03/12/09	Freon 113	<5 ppb		EPA 8260
03/12/09	Isopropylbenzene	<5 ppb		EPA 8260
03/12/09	Methyl isobutyl ketone (MIBK)	<5 ppb		EPA 8260
03/12/09	Methylene Chloride	<5 ppb		EPA 8260
03/12/09	Methyl-tert-butyl-ether	<5 ppb		EPA 8260
03/12/09	n-Butylbenzene	<5 ppb		EPA 8260
03/12/09	n-Propylbenzene	<5 ppb		EPA 8260
03/12/09	p-Diethylbenzene	<5 ppb		EPA 8260
03/12/09	p-Ethyltoluene	<5 ppb		EPA 8260
03/12/09	p-Isopropyltoluene	<5 ppb		EPA 8260
03/12/09	sec-Butylbenzene	<5 ppb		EPA 8260
03/12/09	Styrene	<5 ppb		EPA 8260
03/12/09	tert-Butylbenzene	<5 ppb		EPA 8260

JMS Environmental Services, Inc.
WATER, SOIL AND AIR ANALYSIS
41 Kenosia Avenue
Danbury, Connecticut 06810 | Telephone 203-798-2229

Impact Environmental: 1738

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct
City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information:
Name: Erik Curran
Address of site: 666 Green Ave
City: Not Specified
State: NY **Zip:**
Phone:

JMS ID: 080127

Sample's Information: **Sample ID:** SB4

Site: 0-2'
Preservative: N/A
Temperature:
Matrix: Soil

Date Collected: 3/10/2009
Time Collected: 12:00:00 PM

Date Received: 3/11/2009
Time Received: 5:10:00 PM
Lab No.: J0901589

Date Analyzed	Test Name	Result	MCL	Method
03/12/09	Tetrachloroethene	<5 ppb		EPA 8260
03/12/09	Toluene	<5 ppb		EPA 8260
03/12/09	Total Xylenes	<5 ppb		EPA 8260
03/12/09	trans-1,2-Dichloroethene	<5 ppb		EPA 8260
03/12/09	trans-1,3-Dichloropropene	<5 ppb		EPA 8260
03/12/09	Trichloroethene	<5 ppb		EPA 8260
03/12/09	Trichlorofluoromethane	<5 ppb		EPA 8260
03/12/09	Vinyl Acetate	<5 ppb		EPA 8260
03/12/09	Vinyl chloride	<5 ppb		EPA 8260
03/13/09	2,4,5-Trichlorophenol	<330 ppb		EPA 8270
03/13/09	2,4,6-Trichlorophenol	<330 ppb		EPA 8270
03/13/09	2,4-Dichlorophenol	<330 ppb		EPA 8270
03/13/09	2,4-Dimethylphenol	<330 ppb		EPA 8270
03/13/09	2,4-Dinitrophenol	<330 ppb		EPA 8270
03/13/09	2,4-Dinitrotoluene	<330 ppb		EPA 8270
03/13/09	2,6-Dinitrotoluene	<330 ppb		EPA 8270
03/13/09	2-Chloronaphthalene	<330 ppb		EPA 8270
03/13/09	2-Chlorophenol	<330 ppb		EPA 8270
03/13/09	2-Methylnaphthalene	<330 ppb		EPA 8270
03/13/09	2-Methylphenol (o-Cresol)	<330 ppb		EPA 8270
03/13/09	2-Nitroaniline	<330 ppb		EPA 8270
03/13/09	2-Nitrophenol	<330 ppb		EPA 8270
03/13/09	3,3'-Dichlorobenzidine	<330 ppb		EPA 8270
03/13/09	3-Nitroaniline	<330 ppb		EPA 8270
03/13/09	4,6-Dinitro-2-methylphenol	<330 ppb		EPA 8270
03/13/09	4-Bromophenyl Phenyl Ether	<330 ppb		EPA 8270
03/13/09	4-Chloro-3-Methylphenol	<330 ppb		EPA 8270
03/13/09	4-Chloroaniline	<330 ppb		EPA 8270
03/13/09	4-Chlorophenylphenyl ether	<330 ppb		EPA 8270
03/13/09	4-Methylphenol (p-Cresol)	<330 ppb		EPA 8270
03/13/09	4-Nitroaniline	<330 ppb		EPA 8270

JMS Environmental Services, Inc.
WATER, SOIL AND AIR ANALYSIS
41 Kenosia Avenue
Danbury, Connecticut 06810 | Telephone 203-798-2229

Impact Environmental: 1738

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct
City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information:
Name: Erik Curran
Address of site: 666 Green Ave
City: Not Specified
State: NY **Zip:**
Phone:

JMS ID: 080127

Sample's Information: **Sample ID:** SB4

Site: 0-2'
Preservative: N/A
Temperature:
Matrix: Soil

Date Collected: 3/10/2009
Time Collected: 12:00:00 PM

Date Received: 3/11/2009
Time Received: 5:10:00 PM
Lab No.: J0901589

Date Analyzed	Test Name	Result	MCL	Method
03/13/09	4-Nitrophenol	<330 ppb		EPA 8270
03/13/09	Acenaphthene	<330 ppb		EPA 8270
03/13/09	Acenaphthylene	<330 ppb		EPA 8270
03/13/09	Aniline	<330 ppb		EPA 8270
03/13/09	Anthracene	<330 ppb		EPA 8270
03/13/09	Benzo(a)anthracene	<330 ppb		EPA 8270
03/13/09	Benzo(a)pyrene	<330 ppb		EPA 8270
03/13/09	Benzo(b)fluoranthene	<330 ppb		EPA 8270
03/13/09	Benzo(g,h,i)perylene	<330 ppb		EPA 8270
03/13/09	Benzo(k)fluoranthene	<330 ppb		EPA 8270
03/13/09	Benzyl Alcohol	<330 ppb		EPA 8270
03/13/09	bis(2-Chloroethoxy)methane	<330 ppb		EPA 8270
03/13/09	bis(2-Chloroethyl) ether	<330 ppb		EPA 8270
03/13/09	bis(2-Chloroisopropyl) ether	<330 ppb		EPA 8270
03/13/09	bis(2-ethylhexyl)phthalate	<330 ppb		EPA 8270
03/13/09	Benzyl Butyl Phthalate	<330 ppb		EPA 8270
03/13/09	Chrysene	<330 ppb		EPA 8270
03/13/09	Dibenz(a,h)anthracene	<330 ppb		EPA 8270
03/13/09	Dibenzofuran	<330 ppb		EPA 8270
03/13/09	Diethyl Phthalate	<330 ppb		EPA 8270
03/13/09	Dimethyl Phthalate	<330 ppb		EPA 8270
03/13/09	Di-N-Butylyphthalate	<330 ppb		EPA 8270
03/13/09	Dinitrotoluene(2,4-/2,6-)	<330 ppb		EPA 8270
03/13/09	Di-n-octyl phthalate	<330 ppb		EPA 8270
03/13/09	Fluoranthene	<330 ppb		EPA 8270
03/13/09	Fluorene	<330 ppb		EPA 8270
03/13/09	Hexachlorobenzene	<330 ppb		EPA 8270
03/13/09	Hexachlorocyclopentadiene	<330 ppb		EPA 8270
03/13/09	Hexachlorobutadiene	<330 ppb		EPA 8270
03/13/09	Hexachloroethane	<330 ppb		EPA 8270
03/13/09	Indeno(1,2,3-cd)pyrene	<330 ppb		EPA 8270

JMS Environmental Services, Inc.
WATER, SOIL AND AIR ANALYSIS
41 Kenosia Avenue
Danbury, Connecticut 06810 | Telephone 203-798-2229

Impact Environmental: 1738

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct
City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information:
Name: Erik Curran
Address of site: 666 Green Ave
City: Not Specified
State: NY **Zip:**
Phone:

JMS ID: 080127

Sample's Information: **Sample ID:** SB4

Site: 0-2'
Preservative: N/A
Temperature:
Matrix: Soil

Date Collected: 3/10/2009
Time Collected: 12:00:00 PM

Date Received: 3/11/2009
Time Received: 5:10:00 PM
Lab No.: J0901589

Date Analyzed	Test Name	Result	MCL	Method
03/13/09	Isophorone	<330 ppb		EPA 8270
03/13/09	m-Cresol	<330 ppb		EPA 8270
03/13/09	Naphthalene	<330 ppb		EPA 8270
03/13/09	Nitrobenzene	<330 ppb		EPA 8270
03/13/09	n-Nitrosodi-n-propylamine	<330 ppb		EPA 8270
03/13/09	n-Nitrosodiphenylamine	<330 ppb		EPA 8270
03/13/09	Pentachlorophenol	<330 ppb		EPA 8270
03/13/09	Phenanthrene	<330 ppb		EPA 8270
03/13/09	Phenol	<330 ppb		EPA 8270
03/13/09	Pyrene	<330 ppb		EPA 8270
03/12/09	4,4'-DDD	<2 ppb	N/A	EPA 8081
03/12/09	4,4'-DDE	<2 ppb	N/A	EPA 8081
03/12/09	4,4'-DDT	<2 ppb	N/A	EPA 8081
03/12/09	Aldrin	<2 ppb	N/A	EPA 8081
03/12/09	a-BHC	<2 ppb	N/A	EPA 8081
03/12/09	Arochlor 1016	<50 ppb		SW 8082
03/12/09	Arochlor 1221	<50 ppb		SW 8082
03/12/09	Arochlor 1232	<50 ppb		SW 8082
03/12/09	Arochlor 1242	<50 ppb		SW 8082
03/12/09	Arochlor 1248	<50 ppb		SW 8082
03/12/09	Arochlor 1254	<50 ppb		SW 8082
03/12/09	Arochlor 1260	<50 ppb		SW 8082
03/12/09	b-BHC	<2 ppb	N/A	EPA 8081
03/12/09	Chlordane, alpha	<2 ppb	N/A	EPA 8081
03/12/09	d-BHC	<2 ppb	N/A	EPA 8081
03/12/09	Dieldrin	<2 ppb	N/A	EPA 8081
03/12/09	Endosulfan	<2 ppb	N/A	EPA 8081
03/12/09	Endosulfan I	<2 ppb	N/A	EPA 8081
03/12/09	Endosulfan II	<2 ppb	N/A	EPA 8081
03/12/09	Endosulfan Sulfate	<2 ppb	N/A	EPA 8081
03/12/09	Endrin	<2 ppb	N/A	EPA 8081

JMS Environmental Services, Inc.
WATER, SOIL AND AIR ANALYSIS
41 Kenosia Avenue
Danbury, Connecticut 06810 | Telephone 203-798-2229

Impact Environmental: 1738

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct
City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information:
Name: Erik Curran
Address of site: 666 Green Ave
City: Not Specified
State: NY **Zip:**
Phone:

JMS ID: 080127

Sample's Information: **Sample ID:** SB4

Site: 0-2'
Preservative: N/A
Temperature:
Matrix: Soil

Date Collected: 3/10/2009
Time Collected: 12:00:00 PM

Date Received: 3/11/2009
Time Received: 5:10:00 PM
Lab No.: J0901589

Date Analyzed	Test Name	Result	MCL	Method
03/12/09	Endrin Aldehyde	<2 ppb	N/A	EPA 8081
03/12/09	Endrin Ketone	<2 ppb	N/A	EPA 8081
03/12/09	g-BHC	<2 ppb	N/A	EPA 8081
03/12/09	Heptachlor	<2 ppb	N/A	EPA 8081
03/12/09	Heptachlor epoxide	<2 ppb	N/A	EPA 8081
03/12/09	Methoxychlor	<2 ppb	N/A	EPA 8081
03/12/09	Mitotane	<2 ppb	N/A	EPA 8081
03/12/09	Parathion	<30 ppb	N/A	EPA 8081
03/12/09	Polychlorinated biphenyls (PCBs	<50 ppb		SW 8082
03/12/09	Toxaphene	<100 ppb	N/A	EPA 8081
03/13/09	Aluminum	11367 ppm	N/A	6010/E200.7
03/13/09	Antimony	<0.1 ppm	N/A	6010/E200.7
03/13/09	Arsenic	1.29 ppm	N/A	6010/E200.7
03/13/09	Barium	44.1 ppm	N/A	6010/E200.7
03/13/09	Beryllium	0.48 ppm	N/A	6010/E200.7
03/13/09	Cadmium	0.95 ppm	N/A	6010/E200.7
03/13/09	Calcium	1894 ppm	N/A	6010/E200.7
03/13/09	Chromium	16.5 ppm	N/A	6010/E200.7
03/13/09	Chromium, Trivalent	16.5 ppm	N/A	6010/E200.7
03/13/09	Cobalt	7.27 ppm	N/A	6010/E200.7
03/13/09	Copper	12.8 ppm	N/A	6010/E200.7
03/13/09	Iron	17262 ppm	N/A	6010/E200.7
03/13/09	Lead	12.1 ppm	N/A	6010/E200.7
03/13/09	Magnesium	2059 ppm	N/A	6010/E200.7
03/13/09	Manganese	450 ppm	N/A	6010/E200.7
03/12/09	Mercury	<0.1 ppm	N/A	SW-7471
03/13/09	Nickel	15.8 ppm	N/A	6010/E200.7
03/13/09	Potassium	813 ppm	N/A	6010/E200.7
03/13/09	Selenium	<0.1 ppm	N/A	6010/E200.7
03/13/09	Silver	<0.1 ppm	N/A	6010/E200.7
03/13/09	Sodium	180 ppm	N/A	6010/E200.7

JMS Environmental Services, Inc.
WATER, SOIL AND AIR ANALYSIS
41 Kenosia Avenue
Danbury, Connecticut 06810 | Telephone 203-798-2229

Impact Environmental: 1738

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct
City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information:
Name: Erik Curran
Address of site: 666 Green Ave
City: Not Specified
State: NY **Zip:**
Phone:

JMS ID: 080127

Sample's Information: **Sample ID:** SB4

Site: 0-2'
Preservative: N/A
Temperature:
Matrix: Soil

Date Collected: 3/10/2009
Time Collected: 12:00:00 PM

Date Received: 3/11/2009
Time Received: 5:10:00 PM
Lab No.: J0901589

Date Analyzed	Test Name	Result	MCL	Method
03/13/09	Thallium	<0.1 ppm	N/A	6010/E200.7
03/13/09	Vanadium	27.2 ppm	N/A	6010/E200.7
03/13/09	Zinc	32.6 ppm	N/A	6010/E200.7

MCL = Maximum Contaminant Level **N/A = Not Applicable** **ppb = parts per billion**
ppm = parts per million

Signature: Michael Lapman
Michael Lapman
President

Reviewed By: Sharon Houlahan
Sharon Houlahan, Director

State #: PH-0218 ELAP #: 11715 Ref Lab: 11301,

JMS Environmental Services, Inc.
WATER, SOIL AND AIR ANALYSIS
41 Kenosia Avenue
Danbury, Connecticut 06810 | Telephone 203-798-2229

Impact Environmental: 1738

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct
City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information:
Name: Erik Curran
Address of site: 666 Green Ave
City: Not Specified
State: NY **Zip:**
Phone:

JMS ID: 080128

Sample's Information: **Sample ID:** SB5

Site: 0-2'
Preservative: N/A
Temperature:
Matrix: Soil

Date Collected: 3/10/2009
Time Collected: 12:00:00 PM

Date Received: 3/11/2009
Time Received: 5:10:00 PM
Lab No.: J0901590

Date Analyzed	Test Name	Result	MCL	Method
03/12/09	1,1,1,2-tetrachloroethane	<5 ppb		EPA 8260
03/12/09	1,1,1-Trichloroethane	<5 ppb		EPA 8260
03/12/09	1,1,2,2-Tetrachloroethane	<5 ppb		EPA 8260
03/12/09	1,1,2-Trichloroethane	<5 ppb		EPA 8260
03/12/09	1,1-Dichloroethane	<5 ppb		EPA 8260
03/12/09	1,1-Dichloroethene	<5 ppb		EPA 8260
03/12/09	1,1-Dichloropropene	<5 ppb		EPA 8260
03/12/09	1,2,3-Trichlorobenzene	<5 ppb		EPA 8260
03/12/09	1,2,3-Trichloropropane	<5 ppb		EPA 8260
03/12/09	1,2,4,5-tetramethylbenzene	<5 ppb		EPA 8260
03/12/09	1,2,4-Trichlorobenzene	<5 ppb		EPA 8260
03/12/09	1,2,4-Trimethylbenzene	<5 ppb		EPA 8260
03/12/09	1,2-Dibromo-3-Chloropropane	<5 ppb		EPA 8260
03/12/09	1,2-Dibromoethane	<5 ppb		EPA 8260
03/12/09	1,2-Dichlorobenzene	<5 ppb		EPA 8260
03/12/09	1,2-Dichloroethane	<5 ppb		EPA 8260
03/12/09	1,2-Dichloropropane	<5 ppb		EPA 8260
03/12/09	1,3,5-Trimethylbenzene	<5 ppb		EPA 8260
03/12/09	1,3-Dichlorobenzene	<5 ppb		EPA 8260
03/12/09	1,3-Dichloropropane	<5 ppb		EPA 8260
03/12/09	1,3-Dichloropropene(cis and tran	<5 ppb		EPA 8260
03/12/09	1,4-Dichlorobenzene	<5 ppb		EPA 8260
03/12/09	1,4-dioxane	<5 ppb		EPA 8260
03/12/09	2,2-Dichloropropane	<5 ppb		EPA 8260
03/12/09	2-Butanone (MEK)	<5 ppb		EPA 8260
03/12/09	2-Chlorotoluene	<5 ppb		EPA 8260
03/12/09	2-Hexanone	<5 ppb		EPA 8260
03/12/09	4-Chlorotoluene	<5 ppb		EPA 8260
03/12/09	4-Methyl-2-pentanone (MIBK)	<5 ppb		EPA 8260
03/12/09	Acetone	<5 ppb		EPA 8260
03/12/09	Acrylonitrile	<5 ppb		EPA 8260

JMS Environmental Services, Inc.
WATER, SOIL AND AIR ANALYSIS
41 Kenosia Avenue
Danbury, Connecticut 06810 | Telephone 203-798-2229

Impact Environmental: 1738

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct
City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information:
Name: Erik Curran
Address of site: 666 Green Ave
City: Not Specified
State: NY **Zip:**
Phone:

JMS ID: 080128

Sample's Information: **Sample ID:** SB5

Site: 0-2'
Preservative: N/A
Temperature:
Matrix: Soil

Date Collected: 3/10/2009
Time Collected: 12:00:00 PM

Date Received: 3/11/2009
Time Received: 5:10:00 PM
Lab No.: J0901590

Date Analyzed	Test Name	Result	MCL	Method
03/12/09	Benzene	<5 ppb		EPA 8260
03/12/09	Bromobenzene	<5 ppb		EPA 8260
03/12/09	Bromochloromethane	<5 ppb		EPA 8260
03/12/09	Bromodichloromethane	<5 ppb		EPA 8260
03/12/09	Bromoform	<5 ppb		EPA 8260
03/12/09	Bromomethane	<5 ppb		EPA 8260
03/12/09	Carbon disulfide	<5 ppb		EPA 8260
03/12/09	Carbon tetrachloride	<5 ppb		EPA 8260
03/12/09	Chlorobenzene	<5 ppb		EPA 8260
03/12/09	Chlorodibromomethane	<5 ppb		EPA 8260
03/12/09	Chloroethane	<5 ppb		EPA 8260
03/12/09	Chloroform	<5 ppb		EPA 8260
03/12/09	Chloromethane	<5 ppb		EPA 8260
03/12/09	cis-1,2-Dichloroethene	<5 ppb		EPA 8260
03/12/09	cis-1,3-Dichloropropene	<5 ppb		EPA 8260
03/12/09	Dibromoethane	<5 ppb		EPA 8260
03/12/09	Dichlorodifluoromethane	<5 ppb		EPA 8260
03/12/09	Ethylbenzene	<5 ppb		EPA 8260
03/12/09	Freon 113	<5 ppb		EPA 8260
03/12/09	Isopropylbenzene	<5 ppb		EPA 8260
03/12/09	Methyl isobutyl ketone (MIBK)	<5 ppb		EPA 8260
03/12/09	Methylene Chloride	<5 ppb		EPA 8260
03/12/09	Methyl-tert-butyl-ether	<5 ppb		EPA 8260
03/12/09	n-Butylbenzene	<5 ppb		EPA 8260
03/12/09	n-Propylbenzene	<5 ppb		EPA 8260
03/12/09	p-Diethylbenzene	<5 ppb		EPA 8260
03/12/09	p-Ethyltoluene	<5 ppb		EPA 8260
03/12/09	p-Isopropyltoluene	<5 ppb		EPA 8260
03/12/09	sec-Butylbenzene	<5 ppb		EPA 8260
03/12/09	Styrene	<5 ppb		EPA 8260
03/12/09	tert-Butylbenzene	<5 ppb		EPA 8260

JMS Environmental Services, Inc.
WATER, SOIL AND AIR ANALYSIS
41 Kenosia Avenue
Danbury, Connecticut 06810 | Telephone 203-798-2229

Impact Environmental: 1738

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct
City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information:
Name: Erik Curran
Address of site: 666 Green Ave
City: Not Specified
State: NY **Zip:**
Phone:

JMS ID: 080128

Sample's Information: **Sample ID:** SB5

Site: 0-2'
Preservative: N/A
Temperature:
Matrix: Soil

Date Collected: 3/10/2009
Time Collected: 12:00:00 PM

Date Received: 3/11/2009
Time Received: 5:10:00 PM
Lab No.: J0901590

Date Analyzed	Test Name	Result	MCL	Method
03/12/09	Tetrachloroethene	<5 ppb		EPA 8260
03/12/09	Toluene	<5 ppb		EPA 8260
03/12/09	Total Xylenes	<5 ppb		EPA 8260
03/12/09	trans-1,2-Dichloroethene	<5 ppb		EPA 8260
03/12/09	trans-1,3-Dichloropropene	<5 ppb		EPA 8260
03/12/09	Trichloroethene	<5 ppb		EPA 8260
03/12/09	Trichlorofluoromethane	<5 ppb		EPA 8260
03/12/09	Vinyl Acetate	<5 ppb		EPA 8260
03/12/09	Vinyl chloride	<5 ppb		EPA 8260
03/13/09	2,4,5-Trichlorophenol	<330 ppb		EPA 8270
03/13/09	2,4,6-Trichlorophenol	<330 ppb		EPA 8270
03/13/09	2,4-Dichlorophenol	<330 ppb		EPA 8270
03/13/09	2,4-Dimethylphenol	<330 ppb		EPA 8270
03/13/09	2,4-Dinitrophenol	<330 ppb		EPA 8270
03/13/09	2,4-Dinitrotoluene	<330 ppb		EPA 8270
03/13/09	2,6-Dinitrotoluene	<330 ppb		EPA 8270
03/13/09	2-Chloronaphthalene	<330 ppb		EPA 8270
03/13/09	2-Chlorophenol	<330 ppb		EPA 8270
03/13/09	2-Methylnaphthalene	<330 ppb		EPA 8270
03/13/09	2-Methylphenol (o-Cresol)	<330 ppb		EPA 8270
03/13/09	2-Nitroaniline	<330 ppb		EPA 8270
03/13/09	2-Nitrophenol	<330 ppb		EPA 8270
03/13/09	3,3'-Dichlorobenzidine	<330 ppb		EPA 8270
03/13/09	3-Nitroaniline	<330 ppb		EPA 8270
03/13/09	4,6-Dinitro-2-methylphenol	<330 ppb		EPA 8270
03/13/09	4-Bromophenyl Phenyl Ether	<330 ppb		EPA 8270
03/13/09	4-Chloro-3-Methylphenol	<330 ppb		EPA 8270
03/13/09	4-Chloroaniline	<330 ppb		EPA 8270
03/13/09	4-Chlorophenylphenyl ether	<330 ppb		EPA 8270
03/13/09	4-Methylphenol (p-Cresol)	<330 ppb		EPA 8270
03/13/09	4-Nitroaniline	<330 ppb		EPA 8270

JMS Environmental Services, Inc.
WATER, SOIL AND AIR ANALYSIS
41 Kenosia Avenue
Danbury, Connecticut 06810 | Telephone 203-798-2229

Impact Environmental: 1738

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct
City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information:
Name: Erik Curran
Address of site: 666 Green Ave
City: Not Specified
State: NY **Zip:**
Phone:

JMS ID: 080128

Sample's Information: **Sample ID:** SB5

Site: 0-2'
Preservative: N/A
Temperature:
Matrix: Soil

Date Collected: 3/10/2009
Time Collected: 12:00:00 PM

Date Received: 3/11/2009
Time Received: 5:10:00 PM
Lab No.: J0901590

Date Analyzed	Test Name	Result	MCL	Method
03/13/09	4-Nitrophenol	<330 ppb		EPA 8270
03/13/09	Acenaphthene	<330 ppb		EPA 8270
03/13/09	Acenaphthylene	<330 ppb		EPA 8270
03/13/09	Aniline	<330 ppb		EPA 8270
03/13/09	Anthracene	<330 ppb		EPA 8270
03/13/09	Benzo(a)anthracene	<330 ppb		EPA 8270
03/13/09	Benzo(a)pyrene	<330 ppb		EPA 8270
03/13/09	Benzo(b)fluoranthene	<330 ppb		EPA 8270
03/13/09	Benzo(g,h,i)perylene	<330 ppb		EPA 8270
03/13/09	Benzo(k)fluoranthene	<330 ppb		EPA 8270
03/13/09	Benzyl Alcohol	<330 ppb		EPA 8270
03/13/09	bis(2-Chloroethoxy)methane	<330 ppb		EPA 8270
03/13/09	bis(2-Chloroethyl) ether	<330 ppb		EPA 8270
03/13/09	bis(2-Chloroisopropyl) ether	<330 ppb		EPA 8270
03/13/09	bis(2-ethylhexyl)phthalate	<330 ppb		EPA 8270
03/13/09	Benzyl Butyl Phthalate	<330 ppb		EPA 8270
03/13/09	Chrysene	<330 ppb		EPA 8270
03/13/09	Dibenz(a,h)anthracene	<330 ppb		EPA 8270
03/13/09	Dibenzofuran	<330 ppb		EPA 8270
03/13/09	Diethyl Phthalate	<330 ppb		EPA 8270
03/13/09	Dimethyl Phthalate	<330 ppb		EPA 8270
03/13/09	Di-N-Butylyphthalate	<330 ppb		EPA 8270
03/13/09	Dinitrotoluene(2,4-/2,6-)	<330 ppb		EPA 8270
03/13/09	Di-n-octyl phthalate	<330 ppb		EPA 8270
03/13/09	Fluoranthene	<330 ppb		EPA 8270
03/13/09	Fluorene	<330 ppb		EPA 8270
03/13/09	Hexachlorobenzene	<330 ppb		EPA 8270
03/13/09	Hexachlorocyclopentadiene	<330 ppb		EPA 8270
03/13/09	Hexachlorobutadiene	<330 ppb		EPA 8270
03/13/09	Hexachloroethane	<330 ppb		EPA 8270
03/13/09	Indeno(1,2,3-cd)pyrene	<330 ppb		EPA 8270

JMS Environmental Services, Inc.
WATER, SOIL AND AIR ANALYSIS
41 Kenosia Avenue
Danbury, Connecticut 06810 | Telephone 203-798-2229

Impact Environmental: 1738

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct
City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information:
Name: Erik Curran
Address of site: 666 Green Ave
City: Not Specified
State: NY **Zip:**
Phone:

JMS ID: 080128

Sample's Information: **Sample ID:** SB5

Site: 0-2'
Preservative: N/A
Temperature:
Matrix: Soil

Date Collected: 3/10/2009
Time Collected: 12:00:00 PM

Date Received: 3/11/2009
Time Received: 5:10:00 PM
Lab No.: J0901590

Date Analyzed	Test Name	Result	MCL	Method
03/13/09	Isophorone	<330 ppb		EPA 8270
03/13/09	m-Cresol	<330 ppb		EPA 8270
03/13/09	Naphthalene	<330 ppb		EPA 8270
03/13/09	Nitrobenzene	<330 ppb		EPA 8270
03/13/09	n-Nitrosodi-n-propylamine	<330 ppb		EPA 8270
03/13/09	n-Nitrosodiphenylamine	<330 ppb		EPA 8270
03/13/09	Pentachlorophenol	<330 ppb		EPA 8270
03/13/09	Phenanthrene	<330 ppb		EPA 8270
03/13/09	Phenol	<330 ppb		EPA 8270
03/13/09	Pyrene	<330 ppb		EPA 8270
03/12/09	4,4'-DDD	<2 ppb	N/A	EPA 8081
03/12/09	4,4'-DDE	<2 ppb	N/A	EPA 8081
03/12/09	4,4'-DDT	<2 ppb	N/A	EPA 8081
03/12/09	Aldrin	<2 ppb	N/A	EPA 8081
03/12/09	a-BHC	<2 ppb	N/A	EPA 8081
03/12/09	Arochlor 1016	<50 ppb		SW 8082
03/12/09	Arochlor 1221	<50 ppb		SW 8082
03/12/09	Arochlor 1232	<50 ppb		SW 8082
03/12/09	Arochlor 1242	<50 ppb		SW 8082
03/12/09	Arochlor 1248	<50 ppb		SW 8082
03/12/09	Arochlor 1254	<50 ppb		SW 8082
03/12/09	Arochlor 1260	<50 ppb		SW 8082
03/12/09	b-BHC	<2 ppb	N/A	EPA 8081
03/12/09	Chlordane, alpha	<2 ppb	N/A	EPA 8081
03/12/09	d-BHC	<2 ppb	N/A	EPA 8081
03/12/09	Dieldrin	<2 ppb	N/A	EPA 8081
03/12/09	Endosulfan	<2 ppb	N/A	EPA 8081
03/12/09	Endosulfan I	<2 ppb	N/A	EPA 8081
03/12/09	Endosulfan II	<2 ppb	N/A	EPA 8081
03/12/09	Endosulfan Sulfate	<2 ppb	N/A	EPA 8081
03/12/09	Endrin	<2 ppb	N/A	EPA 8081

JMS Environmental Services, Inc.
WATER, SOIL AND AIR ANALYSIS
41 Kenosia Avenue
Danbury, Connecticut 06810 | Telephone 203-798-2229

Impact Environmental: 1738

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct
City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information:
Name: Erik Curran
Address of site: 666 Green Ave
City: Not Specified
State: NY **Zip:**
Phone:

JMS ID: 080128

Sample's Information: **Sample ID:** SB5

Site: 0-2'
Preservative: N/A
Temperature:
Matrix: Soil

Date Collected: 3/10/2009
Time Collected: 12:00:00 PM

Date Received: 3/11/2009
Time Received: 5:10:00 PM
Lab No.: J0901590

Date Analyzed	Test Name	Result	MCL	Method
03/12/09	Endrin Aldehyde	<2 ppb	N/A	EPA 8081
03/12/09	Endrin Ketone	<2 ppb	N/A	EPA 8081
03/12/09	g-BHC	<2 ppb	N/A	EPA 8081
03/12/09	Heptachlor	<2 ppb	N/A	EPA 8081
03/12/09	Heptachlor epoxide	<2 ppb	N/A	EPA 8081
03/12/09	Methoxychlor	<2 ppb	N/A	EPA 8081
03/12/09	Mitotane	<2 ppb	N/A	EPA 8081
03/12/09	Parathion	<30 ppb	N/A	EPA 8081
03/12/09	Polychlorinated biphenyls (PCBs	<50 ppb		SW 8082
03/12/09	Toxaphene	<100 ppb	N/A	EPA 8081
03/13/09	Aluminum	661 ppm	N/A	6010/E200.7
03/13/09	Antimony	<0.1 ppm	N/A	6010/E200.7
03/13/09	Arsenic	2.74 ppm	N/A	6010/E200.7
03/13/09	Barium	93.5 ppm	N/A	6010/E200.7
03/13/09	Beryllium	0.37 ppm	N/A	6010/E200.7
03/13/09	Cadmium	0.58 ppm	N/A	6010/E200.7
03/13/09	Calcium	3179 ppm	N/A	6010/E200.7
03/13/09	Chromium	14.5 ppm	N/A	6010/E200.7
03/13/09	Chromium, Trivalent	14.5 ppm	N/A	6010/E200.7
03/13/09	Cobalt	5.61 ppm	N/A	6010/E200.7
03/13/09	Copper	85.2 ppm	N/A	6010/E200.7
03/13/09	Iron	10133 ppm	N/A	6010/E200.7
03/13/09	Lead	127 ppm	N/A	6010/E200.7
03/13/09	Magnesium	1175 ppm	N/A	6010/E200.7
03/13/09	Manganese	200 ppm	N/A	6010/E200.7
03/12/09	Mercury	0.839 ppm	N/A	SW-7471
03/13/09	Nickel	13.8 ppm	N/A	6010/E200.7
03/13/09	Potassium	668 ppm	N/A	6010/E200.7
03/13/09	Selenium	<0.1 ppm	N/A	6010/E200.7
03/13/09	Silver	<0.1 ppm	N/A	6010/E200.7
03/13/09	Sodium	246 ppm	N/A	6010/E200.7

JMS Environmental Services, Inc.
WATER, SOIL AND AIR ANALYSIS
41 Kenosia Avenue
Danbury, Connecticut 06810 | Telephone 203-798-2229

Impact Environmental: 1738

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct
City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information:
Name: Erik Curran
Address of site: 666 Green Ave
City: Not Specified
State: NY **Zip:**
Phone:

JMS ID: 080128

Sample's Information: **Sample ID:** SB5

Site: 0-2'
Preservative: N/A
Temperature:
Matrix: Soil

Date Collected: 3/10/2009
Time Collected: 12:00:00 PM

Date Received: 3/11/2009
Time Received: 5:10:00 PM
Lab No.: J0901590

Date Analyzed	Test Name	Result	MCL	Method
03/13/09	Thallium	<0.1 ppm	N/A	6010/E200.7
03/13/09	Vanadium	31.2 ppm	N/A	6010/E200.7
03/13/09	Zinc	57.3 ppm	N/A	6010/E200.7

MCL = Maximum Contaminant Level **N/A = Not Applicable** **ppb = parts per billion**
ppm = parts per million

Signature: Michael Lapman
Michael Lapman
President

Reviewed By: Sharon Houlahan
Sharon Houlahan, Director

State #: PH-0218 ELAP #: 11715 Ref Lab: 11301,

JMS Environmental Services, Inc.
WATER, SOIL AND AIR ANALYSIS
41 Kenosia Avenue
Danbury, Connecticut 06810 | Telephone 203-798-2229

Impact Environmental: 1738

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct
City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information:
Name: Erik Curran
Address of site: 666 Green Ave
City: Not Specified
State: NY **Zip:**
Phone:

JMS ID: 080129

Sample's Information: **Sample ID:** SB6

Site: 0-2'
Preservative: N/A
Temperature:
Matrix: Soil

Date Collected: 3/10/2009
Time Collected: 12:00:00 PM

Date Received: 3/11/2009
Time Received: 5:10:00 PM
Lab No.: J0901591

Date Analyzed	Test Name	Result	MCL	Method
03/12/09	1,1,1,2-tetrachloroethane	<5 ppb		EPA 8260
03/12/09	1,1,1-Trichloroethane	<5 ppb		EPA 8260
03/12/09	1,1,2,2-Tetrachloroethane	<5 ppb		EPA 8260
03/12/09	1,1,2-Trichloroethane	<5 ppb		EPA 8260
03/12/09	1,1-Dichloroethane	<5 ppb		EPA 8260
03/12/09	1,1-Dichloroethene	<5 ppb		EPA 8260
03/12/09	1,1-Dichloropropene	<5 ppb		EPA 8260
03/12/09	1,2,3-Trichlorobenzene	<5 ppb		EPA 8260
03/12/09	1,2,3-Trichloropropane	<5 ppb		EPA 8260
03/12/09	1,2,4,5-tetramethylbenzene	<5 ppb		EPA 8260
03/12/09	1,2,4-Trichlorobenzene	<5 ppb		EPA 8260
03/12/09	1,2,4-Trimethylbenzene	<5 ppb		EPA 8260
03/12/09	1,2-Dibromo-3-Chloropropane	<5 ppb		EPA 8260
03/12/09	1,2-Dibromoethane	<5 ppb		EPA 8260
03/12/09	1,2-Dichlorobenzene	<5 ppb		EPA 8260
03/12/09	1,2-Dichloroethane	<5 ppb		EPA 8260
03/12/09	1,2-Dichloropropane	<5 ppb		EPA 8260
03/12/09	1,3,5-Trimethylbenzene	<5 ppb		EPA 8260
03/12/09	1,3-Dichlorobenzene	<5 ppb		EPA 8260
03/12/09	1,3-Dichloropropane	<5 ppb		EPA 8260
03/12/09	1,3-Dichloropropene(cis and tran	<5 ppb		EPA 8260
03/12/09	1,4-Dichlorobenzene	<5 ppb		EPA 8260
03/12/09	1,4-dioxane	<5 ppb		EPA 8260
03/12/09	2,2-Dichloropropane	<5 ppb		EPA 8260
03/12/09	2-Butanone (MEK)	<5 ppb		EPA 8260
03/12/09	2-Chlorotoluene	<5 ppb		EPA 8260
03/12/09	2-Hexanone	<5 ppb		EPA 8260
03/12/09	4-Chlorotoluene	<5 ppb		EPA 8260
03/12/09	4-Methyl-2-pentanone (MIBK)	<5 ppb		EPA 8260
03/12/09	Acetone	<5 ppb		EPA 8260
03/12/09	Acrylonitrile	<5 ppb		EPA 8260

JMS Environmental Services, Inc.
WATER, SOIL AND AIR ANALYSIS
41 Kenosia Avenue
Danbury, Connecticut 06810 | Telephone 203-798-2229

Impact Environmental: 1738

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct
City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information:
Name: Erik Curran
Address of site: 666 Green Ave
City: Not Specified
State: NY **Zip:**
Phone:

JMS ID: 080129

Sample's Information: **Sample ID:** SB6

Site: 0-2'
Preservative: N/A
Temperature:
Matrix: Soil

Date Collected: 3/10/2009
Time Collected: 12:00:00 PM

Date Received: 3/11/2009
Time Received: 5:10:00 PM
Lab No.: J0901591

Date Analyzed	Test Name	Result	MCL	Method
03/12/09	Benzene	<5 ppb		EPA 8260
03/12/09	Bromobenzene	<5 ppb		EPA 8260
03/12/09	Bromochloromethane	<5 ppb		EPA 8260
03/12/09	Bromodichloromethane	<5 ppb		EPA 8260
03/12/09	Bromoform	<5 ppb		EPA 8260
03/12/09	Bromomethane	<5 ppb		EPA 8260
03/12/09	Carbon disulfide	<5 ppb		EPA 8260
03/12/09	Carbon tetrachloride	<5 ppb		EPA 8260
03/12/09	Chlorobenzene	<5 ppb		EPA 8260
03/12/09	Chlorodibromomethane	<5 ppb		EPA 8260
03/12/09	Chloroethane	<5 ppb		EPA 8260
03/12/09	Chloroform	<5 ppb		EPA 8260
03/12/09	Chloromethane	<5 ppb		EPA 8260
03/12/09	cis-1,2-Dichloroethene	<5 ppb		EPA 8260
03/12/09	cis-1,3-Dichloropropene	<5 ppb		EPA 8260
03/12/09	Dibromoethane	<5 ppb		EPA 8260
03/12/09	Dichlorodifluoromethane	<5 ppb		EPA 8260
03/12/09	Ethylbenzene	<5 ppb		EPA 8260
03/12/09	Freon 113	<5 ppb		EPA 8260
03/12/09	Isopropylbenzene	<5 ppb		EPA 8260
03/12/09	Methyl isobutyl ketone (MIBK)	<5 ppb		EPA 8260
03/12/09	Methylene Chloride	<5 ppb		EPA 8260
03/12/09	Methyl-tert-butyl-ether	<5 ppb		EPA 8260
03/12/09	n-Butylbenzene	<5 ppb		EPA 8260
03/12/09	n-Propylbenzene	<5 ppb		EPA 8260
03/12/09	p-Diethylbenzene	<5 ppb		EPA 8260
03/12/09	p-Ethyltoluene	<5 ppb		EPA 8260
03/12/09	p-Isopropyltoluene	<5 ppb		EPA 8260
03/12/09	sec-Butylbenzene	<5 ppb		EPA 8260
03/12/09	Styrene	<5 ppb		EPA 8260
03/12/09	tert-Butylbenzene	<5 ppb		EPA 8260

JMS Environmental Services, Inc.
WATER, SOIL AND AIR ANALYSIS
41 Kenosia Avenue
Danbury, Connecticut 06810 | Telephone 203-798-2229

Impact Environmental: 1738

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct
City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information:
Name: Erik Curran
Address of site: 666 Green Ave
City: Not Specified
State: NY **Zip:**
Phone:

JMS ID: 080129

Sample's Information: **Sample ID:** SB6

Site: 0-2'
Preservative: N/A
Temperature:
Matrix: Soil

Date Collected: 3/10/2009
Time Collected: 12:00:00 PM

Date Received: 3/11/2009
Time Received: 5:10:00 PM
Lab No.: J0901591

Date Analyzed	Test Name	Result	MCL	Method
03/12/09	Tetrachloroethene	<5 ppb		EPA 8260
03/12/09	Toluene	<5 ppb		EPA 8260
03/12/09	Total Xylenes	<5 ppb		EPA 8260
03/12/09	trans-1,2-Dichloroethene	<5 ppb		EPA 8260
03/12/09	trans-1,3-Dichloropropene	<5 ppb		EPA 8260
03/12/09	Trichloroethene	<5 ppb		EPA 8260
03/12/09	Trichlorofluoromethane	<5 ppb		EPA 8260
03/12/09	Vinyl Acetate	<5 ppb		EPA 8260
03/12/09	Vinyl chloride	<5 ppb		EPA 8260
03/13/09	2,4,5-Trichlorophenol	<330 ppb		EPA 8270
03/13/09	2,4,6-Trichlorophenol	<330 ppb		EPA 8270
03/13/09	2,4-Dichlorophenol	<330 ppb		EPA 8270
03/13/09	2,4-Dimethylphenol	<330 ppb		EPA 8270
03/13/09	2,4-Dinitrophenol	<330 ppb		EPA 8270
03/13/09	2,4-Dinitrotoluene	<330 ppb		EPA 8270
03/13/09	2,6-Dinitrotoluene	<330 ppb		EPA 8270
03/13/09	2-Chloronaphthalene	<330 ppb		EPA 8270
03/13/09	2-Chlorophenol	<330 ppb		EPA 8270
03/13/09	2-Methylnaphthalene	<330 ppb		EPA 8270
03/13/09	2-Methylphenol (o-Cresol)	<330 ppb		EPA 8270
03/13/09	2-Nitroaniline	<330 ppb		EPA 8270
03/13/09	2-Nitrophenol	<330 ppb		EPA 8270
03/13/09	3,3'-Dichlorobenzidine	<330 ppb		EPA 8270
03/13/09	3-Nitroaniline	<330 ppb		EPA 8270
03/13/09	4,6-Dinitro-2-methylphenol	<330 ppb		EPA 8270
03/13/09	4-Bromophenyl Phenyl Ether	<330 ppb		EPA 8270
03/13/09	4-Chloro-3-Methylphenol	<330 ppb		EPA 8270
03/13/09	4-Chloroaniline	<330 ppb		EPA 8270
03/13/09	4-Chlorophenylphenyl ether	<330 ppb		EPA 8270
03/13/09	4-Methylphenol (p-Cresol)	<330 ppb		EPA 8270
03/13/09	4-Nitroaniline	<330 ppb		EPA 8270

JMS Environmental Services, Inc.
WATER, SOIL AND AIR ANALYSIS
41 Kenosia Avenue
Danbury, Connecticut 06810 | Telephone 203-798-2229

Impact Environmental: 1738

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct
City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information:
Name: Erik Curran
Address of site: 666 Green Ave
City: Not Specified
State: NY **Zip:**
Phone:

JMS ID: 080129

Sample's Information: **Sample ID:** SB6

Site: 0-2'
Preservative: N/A
Temperature:
Matrix: Soil

Date Collected: 3/10/2009
Time Collected: 12:00:00 PM

Date Received: 3/11/2009
Time Received: 5:10:00 PM
Lab No.: J0901591

Date Analyzed	Test Name	Result	MCL	Method
03/13/09	4-Nitrophenol	<330 ppb		EPA 8270
03/13/09	Acenaphthene	<330 ppb		EPA 8270
03/13/09	Acenaphthylene	<330 ppb		EPA 8270
03/13/09	Aniline	<330 ppb		EPA 8270
03/13/09	Anthracene	<330 ppb		EPA 8270
03/13/09	Benzo(a)anthracene	573 ppb		EPA 8270
03/13/09	Benzo(a)pyrene	504 ppb		EPA 8270
03/13/09	Benzo(b)fluoranthene	<330 ppb		EPA 8270
03/13/09	Benzo(g,h,i)perylene	<330 ppb		EPA 8270
03/13/09	Benzo(k)fluoranthene	<330 ppb		EPA 8270
03/13/09	Benzyl Alcohol	<330 ppb		EPA 8270
03/13/09	bis(2-Chloroethoxy)methane	<330 ppb		EPA 8270
03/13/09	bis(2-Chloroethyl) ether	<330 ppb		EPA 8270
03/13/09	bis(2-Chloroisopropyl) ether	<330 ppb		EPA 8270
03/13/09	bis(2-ethylhexyl)phthalate	<330 ppb		EPA 8270
03/13/09	Benzyl Butyl Phthalate	<330 ppb		EPA 8270
03/13/09	Chrysene	625 ppb		EPA 8270
03/13/09	Dibenz(a,h)anthracene	<330 ppb		EPA 8270
03/13/09	Dibenzofuran	<330 ppb		EPA 8270
03/13/09	Diethyl Phthalate	<330 ppb		EPA 8270
03/13/09	Dimethyl Phthalate	<330 ppb		EPA 8270
03/13/09	Di-N-Butylyphthalate	<330 ppb		EPA 8270
03/13/09	Dinitrotoluene(2,4-/2,6-)	<330 ppb		EPA 8270
03/13/09	Di-n-octyl phthalate	<330 ppb		EPA 8270
03/13/09	Fluoranthene	1345 ppb		EPA 8270
03/13/09	Fluorene	<330 ppb		EPA 8270
03/13/09	Hexachlorobenzene	<330 ppb		EPA 8270
03/13/09	Hexachlorocyclopentadiene	<330 ppb		EPA 8270
03/13/09	Hexachlorobutadiene	<330 ppb		EPA 8270
03/13/09	Hexachloroethane	<330 ppb		EPA 8270
03/13/09	Indeno(1,2,3-cd)pyrene	<330 ppb		EPA 8270

JMS Environmental Services, Inc.
WATER, SOIL AND AIR ANALYSIS
41 Kenosia Avenue
Danbury, Connecticut 06810 | Telephone 203-798-2229

Impact Environmental: 1738

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct
City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information:
Name: Erik Curran
Address of site: 666 Green Ave
City: Not Specified
State: NY **Zip:**
Phone:

JMS ID: 080129

Sample's Information: **Sample ID:** SB6

Site: 0-2'
Preservative: N/A
Temperature:
Matrix: Soil

Date Collected: 3/10/2009
Time Collected: 12:00:00 PM

Date Received: 3/11/2009
Time Received: 5:10:00 PM
Lab No.: J0901591

Date Analyzed	Test Name	Result	MCL	Method
03/13/09	Isophorone	<330 ppb		EPA 8270
03/13/09	m-Cresol	<330 ppb		EPA 8270
03/13/09	Naphthalene	<330 ppb		EPA 8270
03/13/09	Nitrobenzene	<330 ppb		EPA 8270
03/13/09	n-Nitrosodi-n-propylamine	<330 ppb		EPA 8270
03/13/09	n-Nitrosodiphenylamine	<330 ppb		EPA 8270
03/13/09	Pentachlorophenol	<330 ppb		EPA 8270
03/13/09	Phenanthrene	1047 ppb		EPA 8270
03/13/09	Phenol	<330 ppb		EPA 8270
03/13/09	Pyrene	1036 ppb		EPA 8270
03/12/09	4,4'-DDD	15.3 ppb	N/A	EPA 8081
03/12/09	4,4'-DDE	<2 ppb	N/A	EPA 8081
03/12/09	4,4'-DDT	79.3 ppb	N/A	EPA 8081
03/12/09	Aldrin	<2 ppb	N/A	EPA 8081
03/12/09	a-BHC	<2 ppb	N/A	EPA 8081
03/12/09	Arochlor 1016	<50 ppb		SW 8082
03/12/09	Arochlor 1221	<50 ppb		SW 8082
03/12/09	Arochlor 1232	<50 ppb		SW 8082
03/12/09	Arochlor 1242	<50 ppb		SW 8082
03/12/09	Arochlor 1248	<50 ppb		SW 8082
03/12/09	Arochlor 1254	<50 ppb		SW 8082
03/12/09	Arochlor 1260	<50 ppb		SW 8082
03/12/09	b-BHC	<2 ppb	N/A	EPA 8081
03/12/09	Chlordane, alpha	<2 ppb	N/A	EPA 8081
03/12/09	d-BHC	<2 ppb	N/A	EPA 8081
03/12/09	Dieldrin	<2 ppb	N/A	EPA 8081
03/12/09	Endosulfan	<2 ppb	N/A	EPA 8081
03/12/09	Endosulfan I	<2 ppb	N/A	EPA 8081
03/12/09	Endosulfan II	<2 ppb	N/A	EPA 8081
03/12/09	Endosulfan Sulfate	<2 ppb	N/A	EPA 8081
03/12/09	Endrin	<2 ppb	N/A	EPA 8081

JMS Environmental Services, Inc.
WATER, SOIL AND AIR ANALYSIS
41 Kenosia Avenue
Danbury, Connecticut 06810 | Telephone 203-798-2229

Impact Environmental: 1738

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct
City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information:
Name: Erik Curran
Address of site: 666 Green Ave
City: Not Specified
State: NY **Zip:**
Phone:

JMS ID: 080129

Sample's Information: **Sample ID:** SB6

Site: 0-2'
Preservative: N/A
Temperature:
Matrix: Soil

Date Collected: 3/10/2009
Time Collected: 12:00:00 PM

Date Received: 3/11/2009
Time Received: 5:10:00 PM
Lab No.: J0901591

Date Analyzed	Test Name	Result	MCL	Method
03/12/09	Endrin Aldehyde	<2 ppb	N/A	EPA 8081
03/12/09	Endrin Ketone	<2 ppb	N/A	EPA 8081
03/12/09	g-BHC	<2 ppb	N/A	EPA 8081
03/12/09	Heptachlor	<2 ppb	N/A	EPA 8081
03/12/09	Heptachlor epoxide	<2 ppb	N/A	EPA 8081
03/12/09	Methoxychlor	<2 ppb	N/A	EPA 8081
03/12/09	Mitotane	<2 ppb	N/A	EPA 8081
03/12/09	Parathion	<30 ppb	N/A	EPA 8081
03/12/09	Polychlorinated biphenyls (PCBs	<50 ppb		SW 8082
03/12/09	Toxaphene	<100 ppb	N/A	EPA 8081
03/13/09	Aluminum	8073 ppm	N/A	6010/E200.7
03/13/09	Antimony	3.72 ppm	N/A	6010/E200.7
03/13/09	Arsenic	4.77 ppm	N/A	6010/E200.7
03/13/09	Barium	207 ppm	N/A	6010/E200.7
03/13/09	Beryllium	0.37 ppm	N/A	6010/E200.7
03/13/09	Cadmium	1.93 ppm	N/A	6010/E200.7
03/13/09	Calcium	29969 ppm	N/A	6010/E200.7
03/13/09	Chromium	18.2 ppm	N/A	6010/E200.7
03/13/09	Chromium, Trivalent	18.2 ppm	N/A	6010/E200.7
03/13/09	Cobalt	5.34 ppm	N/A	6010/E200.7
03/13/09	Copper	64.2 ppm	N/A	6010/E200.7
03/13/09	Iron	16921 ppm	N/A	6010/E200.7
03/13/09	Lead	627 ppm	N/A	6010/E200.7
03/13/09	Magnesium	4174 ppm	N/A	6010/E200.7
03/13/09	Manganese	348 ppm	N/A	6010/E200.7
03/12/09	Mercury	0.447 ppm	N/A	SW-7471
03/13/09	Nickel	15.2 ppm	N/A	6010/E200.7
03/13/09	Potassium	1268 ppm	N/A	6010/E200.7
03/13/09	Selenium	0.1 ppm	N/A	6010/E200.7
03/13/09	Silver	0.35 ppm	N/A	6010/E200.7
03/13/09	Sodium	1018 ppm	N/A	6010/E200.7

JMS Environmental Services, Inc.
WATER, SOIL AND AIR ANALYSIS
41 Kenosia Avenue
Danbury, Connecticut 06810 | Telephone 203-798-2229

Impact Environmental: 1738

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct
City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information:
Name: Erik Curran
Address of site: 666 Green Ave
City: Not Specified
State: NY **Zip:**
Phone:

JMS ID: 080129

Sample's Information: **Sample ID:** SB6

Site: 0-2'
Preservative: N/A
Temperature:
Matrix: Soil

Date Collected: 3/10/2009
Time Collected: 12:00:00 PM

Date Received: 3/11/2009
Time Received: 5:10:00 PM
Lab No.: J0901591

Date Analyzed	Test Name	Result	MCL	Method
03/13/09	Thallium	0.19 ppm	N/A	6010/E200.7
03/13/09	Vanadium	23.7 ppm	N/A	6010/E200.7
03/13/09	Zinc	272 ppm	N/A	6010/E200.7

MCL = Maximum Contaminant Level **N/A = Not Applicable** **ppb = parts per billion**
ppm = parts per million

Signature: Michael Lapman
Michael Lapman
President

Reviewed By: Sharon Houlahan
Sharon Houlahan, Director

State #: PH-0218 ELAP #: 11715 Ref Lab: 11301,

JMS Environmental Services, Inc.
WATER, SOIL AND AIR ANALYSIS
41 Kenosia Avenue
Danbury, Connecticut 06810 | Telephone 203-798-2229

Impact Environmental: 1738

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct
City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information:
Name: Erik Curran
Address of site: 666 Green Ave
City: Not Specified
State: NY **Zip:**
Phone:

JMS ID: 080130

Sample's Information: **Sample ID:** SB6

Site: 10'
Preservative: N/A
Temperature:
Matrix: Soil

Date Collected: 3/10/2009
Time Collected: 12:00:00 PM

Date Received: 3/11/2009
Time Received: 5:10:00 PM
Lab No.: J0901592

Date Analyzed	Test Name	Result	MCL	Method
03/12/09	1,1,1,2-tetrachloroethane	<5 ppb		EPA 8260
03/12/09	1,1,1-Trichloroethane	<5 ppb		EPA 8260
03/12/09	1,1,2,2-Tetrachloroethane	<5 ppb		EPA 8260
03/12/09	1,1,2-Trichloroethane	<5 ppb		EPA 8260
03/12/09	1,1-Dichloroethane	<5 ppb		EPA 8260
03/12/09	1,1-Dichloroethene	<5 ppb		EPA 8260
03/12/09	1,1-Dichloropropene	<5 ppb		EPA 8260
03/12/09	1,2,3-Trichlorobenzene	<5 ppb		EPA 8260
03/12/09	1,2,3-Trichloropropane	<5 ppb		EPA 8260
03/12/09	1,2,4,5-tetramethylbenzene	<5 ppb		EPA 8260
03/12/09	1,2,4-Trichlorobenzene	<5 ppb		EPA 8260
03/12/09	1,2,4-Trimethylbenzene	<5 ppb		EPA 8260
03/12/09	1,2-Dibromo-3-Chloropropane	<5 ppb		EPA 8260
03/12/09	1,2-Dibromoethane	<5 ppb		EPA 8260
03/12/09	1,2-Dichlorobenzene	<5 ppb		EPA 8260
03/12/09	1,2-Dichloroethane	<5 ppb		EPA 8260
03/12/09	1,2-Dichloropropane	<5 ppb		EPA 8260
03/12/09	1,3,5-Trimethylbenzene	<5 ppb		EPA 8260
03/12/09	1,3-Dichlorobenzene	<5 ppb		EPA 8260
03/12/09	1,3-Dichloropropane	<5 ppb		EPA 8260
03/12/09	1,3-Dichloropropene(cis and tran	<5 ppb		EPA 8260
03/12/09	1,4-Dichlorobenzene	<5 ppb		EPA 8260
03/12/09	1,4-dioxane	<5 ppb		EPA 8260
03/12/09	2,2-Dichloropropane	<5 ppb		EPA 8260
03/12/09	2-Butanone (MEK)	<5 ppb		EPA 8260
03/12/09	2-Chlorotoluene	<5 ppb		EPA 8260
03/12/09	2-Hexanone	<5 ppb		EPA 8260
03/12/09	4-Chlorotoluene	<5 ppb		EPA 8260
03/12/09	4-Methyl-2-pentanone (MIBK)	<5 ppb		EPA 8260
03/12/09	Acetone	<5 ppb		EPA 8260
03/12/09	Acrylonitrile	<5 ppb		EPA 8260

JMS Environmental Services, Inc.
WATER, SOIL AND AIR ANALYSIS
41 Kenosia Avenue
Danbury, Connecticut 06810 | Telephone 203-798-2229

Impact Environmental: 1738

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct
City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information:
Name: Erik Curran
Address of site: 666 Green Ave
City: Not Specified
State: NY **Zip:**
Phone:

JMS ID: 080130

Sample's Information: **Sample ID:** SB6

Site: 10'
Preservative: N/A
Temperature:
Matrix: Soil

Date Collected: 3/10/2009
Time Collected: 12:00:00 PM

Date Received: 3/11/2009
Time Received: 5:10:00 PM
Lab No.: J0901592

Date Analyzed	Test Name	Result	MCL	Method
03/12/09	Benzene	<5 ppb		EPA 8260
03/12/09	Bromobenzene	<5 ppb		EPA 8260
03/12/09	Bromochloromethane	<5 ppb		EPA 8260
03/12/09	Bromodichloromethane	<5 ppb		EPA 8260
03/12/09	Bromoform	<5 ppb		EPA 8260
03/12/09	Bromomethane	<5 ppb		EPA 8260
03/12/09	Carbon disulfide	<5 ppb		EPA 8260
03/12/09	Carbon tetrachloride	<5 ppb		EPA 8260
03/12/09	Chlorobenzene	<5 ppb		EPA 8260
03/12/09	Chlorodibromomethane	<5 ppb		EPA 8260
03/12/09	Chloroethane	<5 ppb		EPA 8260
03/12/09	Chloroform	<5 ppb		EPA 8260
03/12/09	Chloromethane	<5 ppb		EPA 8260
03/12/09	cis-1,2-Dichloroethene	<5 ppb		EPA 8260
03/12/09	cis-1,3-Dichloropropene	<5 ppb		EPA 8260
03/12/09	Dibromoethane	<5 ppb		EPA 8260
03/12/09	Dichlorodifluoromethane	<5 ppb		EPA 8260
03/12/09	Ethylbenzene	<5 ppb		EPA 8260
03/12/09	Freon 113	<5 ppb		EPA 8260
03/12/09	Isopropylbenzene	<5 ppb		EPA 8260
03/12/09	Methyl isobutyl ketone (MIBK)	<5 ppb		EPA 8260
03/12/09	Methylene Chloride	<5 ppb		EPA 8260
03/12/09	Methyl-tert-butyl-ether	<5 ppb		EPA 8260
03/12/09	n-Butylbenzene	<5 ppb		EPA 8260
03/12/09	n-Propylbenzene	<5 ppb		EPA 8260
03/12/09	p-Diethylbenzene	<5 ppb		EPA 8260
03/12/09	p-Ethyltoluene	<5 ppb		EPA 8260
03/12/09	p-Isopropyltoluene	<5 ppb		EPA 8260
03/12/09	sec-Butylbenzene	<5 ppb		EPA 8260
03/12/09	Styrene	<5 ppb		EPA 8260
03/12/09	tert-Butylbenzene	<5 ppb		EPA 8260

JMS Environmental Services, Inc.
WATER, SOIL AND AIR ANALYSIS
41 Kenosia Avenue
Danbury, Connecticut 06810 | Telephone 203-798-2229

Impact Environmental: 1738

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct
City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information:
Name: Erik Curran
Address of site: 666 Green Ave
City: Not Specified
State: NY **Zip:**
Phone:

JMS ID: 080130

Sample's Information: **Sample ID:** SB6

Site: 10'
Preservative: N/A
Temperature:
Matrix: Soil

Date Collected: 3/10/2009
Time Collected: 12:00:00 PM

Date Received: 3/11/2009
Time Received: 5:10:00 PM
Lab No.: J0901592

Date Analyzed	Test Name	Result	MCL	Method
03/12/09	Tetrachloroethene	<5 ppb		EPA 8260
03/12/09	Toluene	<5 ppb		EPA 8260
03/12/09	Total Xylenes	<5 ppb		EPA 8260
03/12/09	trans-1,2-Dichloroethene	<5 ppb		EPA 8260
03/12/09	trans-1,3-Dichloropropene	<5 ppb		EPA 8260
03/12/09	Trichloroethene	<5 ppb		EPA 8260
03/12/09	Trichlorofluoromethane	<5 ppb		EPA 8260
03/12/09	Vinyl Acetate	<5 ppb		EPA 8260
03/12/09	Vinyl chloride	<5 ppb		EPA 8260
03/13/09	2,4,5-Trichlorophenol	<330 ppb		EPA 8270
03/13/09	2,4,6-Trichlorophenol	<330 ppb		EPA 8270
03/13/09	2,4-Dichlorophenol	<330 ppb		EPA 8270
03/13/09	2,4-Dimethylphenol	<330 ppb		EPA 8270
03/13/09	2,4-Dinitrophenol	<330 ppb		EPA 8270
03/13/09	2,4-Dinitrotoluene	<330 ppb		EPA 8270
03/13/09	2,6-Dinitrotoluene	<330 ppb		EPA 8270
03/13/09	2-Chloronaphthalene	<330 ppb		EPA 8270
03/13/09	2-Chlorophenol	<330 ppb		EPA 8270
03/13/09	2-Methylnaphthalene	<330 ppb		EPA 8270
03/13/09	2-Methylphenol (o-Cresol)	<330 ppb		EPA 8270
03/13/09	2-Nitroaniline	<330 ppb		EPA 8270
03/13/09	2-Nitrophenol	<330 ppb		EPA 8270
03/13/09	3,3'-Dichlorobenzidine	<330 ppb		EPA 8270
03/13/09	3-Nitroaniline	<330 ppb		EPA 8270
03/13/09	4,6-Dinitro-2-methylphenol	<330 ppb		EPA 8270
03/13/09	4-Bromophenyl Phenyl Ether	<330 ppb		EPA 8270
03/13/09	4-Chloro-3-Methylphenol	<330 ppb		EPA 8270
03/13/09	4-Chloroaniline	<330 ppb		EPA 8270
03/13/09	4-Chlorophenylphenyl ether	<330 ppb		EPA 8270
03/13/09	4-Methylphenol (p-Cresol)	<330 ppb		EPA 8270
03/13/09	4-Nitroaniline	<330 ppb		EPA 8270

JMS Environmental Services, Inc.
WATER, SOIL AND AIR ANALYSIS
41 Kenosia Avenue
Danbury, Connecticut 06810 | Telephone 203-798-2229

Impact Environmental: 1738

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct
City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information:
Name: Erik Curran
Address of site: 666 Green Ave
City: Not Specified
State: NY **Zip:**
Phone:

JMS ID: 080130

Sample's Information: **Sample ID:** SB6

Site: 10'
Preservative: N/A
Temperature:
Matrix: Soil

Date Collected: 3/10/2009
Time Collected: 12:00:00 PM

Date Received: 3/11/2009
Time Received: 5:10:00 PM
Lab No.: J0901592

Date Analyzed	Test Name	Result	MCL	Method
03/13/09	4-Nitrophenol	<330 ppb		EPA 8270
03/13/09	Acenaphthene	<330 ppb		EPA 8270
03/13/09	Acenaphthylene	<330 ppb		EPA 8270
03/13/09	Aniline	<330 ppb		EPA 8270
03/13/09	Anthracene	<330 ppb		EPA 8270
03/13/09	Benzo(a)anthracene	<330 ppb		EPA 8270
03/13/09	Benzo(a)pyrene	<330 ppb		EPA 8270
03/13/09	Benzo(b)fluoranthene	<330 ppb		EPA 8270
03/13/09	Benzo(g,h,i)perylene	<330 ppb		EPA 8270
03/13/09	Benzo(k)fluoranthene	<330 ppb		EPA 8270
03/13/09	Benzyl Alcohol	<330 ppb		EPA 8270
03/13/09	bis(2-Chloroethoxy)methane	<330 ppb		EPA 8270
03/13/09	bis(2-Chloroethyl) ether	<330 ppb		EPA 8270
03/13/09	bis(2-Chloroisopropyl) ether	<330 ppb		EPA 8270
03/13/09	bis(2-ethylhexyl)phthalate	<330 ppb		EPA 8270
03/13/09	Benzyl Butyl Phthalate	<330 ppb		EPA 8270
03/13/09	Chrysene	<330 ppb		EPA 8270
03/13/09	Dibenz(a,h)anthracene	<330 ppb		EPA 8270
03/13/09	Dibenzofuran	<330 ppb		EPA 8270
03/13/09	Diethyl Phthalate	<330 ppb		EPA 8270
03/13/09	Dimethyl Phthalate	<330 ppb		EPA 8270
03/13/09	Di-N-Butylyphthalate	<330 ppb		EPA 8270
03/13/09	Dinitrotoluene(2,4-/2,6-)	<330 ppb		EPA 8270
03/13/09	Di-n-octyl phthalate	<330 ppb		EPA 8270
03/13/09	Fluoranthene	<330 ppb		EPA 8270
03/13/09	Fluorene	<330 ppb		EPA 8270
03/13/09	Hexachlorobenzene	<330 ppb		EPA 8270
03/13/09	Hexachlorocyclopentadiene	<330 ppb		EPA 8270
03/13/09	Hexachlorobutadiene	<330 ppb		EPA 8270
03/13/09	Hexachloroethane	<330 ppb		EPA 8270
03/13/09	Indeno(1,2,3-cd)pyrene	<330 ppb		EPA 8270

JMS Environmental Services, Inc.
WATER, SOIL AND AIR ANALYSIS
41 Kenosia Avenue
Danbury, Connecticut 06810 | Telephone 203-798-2229

Impact Environmental: 1738

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct
City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information:
Name: Erik Curran
Address of site: 666 Green Ave
City: Not Specified
State: NY **Zip:**
Phone:

JMS ID: 080130

Sample's Information: **Sample ID:** SB6

Site: 10'
Preservative: N/A
Temperature:
Matrix: Soil

Date Collected: 3/10/2009
Time Collected: 12:00:00 PM

Date Received: 3/11/2009
Time Received: 5:10:00 PM
Lab No.: J0901592

Date Analyzed	Test Name	Result	MCL	Method
03/13/09	Isophorone	<330 ppb		EPA 8270
03/13/09	m-Cresol	<330 ppb		EPA 8270
03/13/09	Naphthalene	<330 ppb		EPA 8270
03/13/09	Nitrobenzene	<330 ppb		EPA 8270
03/13/09	n-Nitrosodi-n-propylamine	<330 ppb		EPA 8270
03/13/09	n-Nitrosodiphenylamine	<330 ppb		EPA 8270
03/13/09	Pentachlorophenol	<330 ppb		EPA 8270
03/13/09	Phenanthrene	<330 ppb		EPA 8270
03/13/09	Phenol	<330 ppb		EPA 8270
03/13/09	Pyrene	<330 ppb		EPA 8270
03/12/09	4,4'-DDD	<2 ppb	N/A	EPA 8081
03/12/09	4,4'-DDE	<2 ppb	N/A	EPA 8081
03/12/09	4,4'-DDT	<2 ppb	N/A	EPA 8081
03/12/09	Aldrin	<2 ppb	N/A	EPA 8081
03/12/09	a-BHC	<2 ppb	N/A	EPA 8081
03/12/09	Arochlor 1016	<50 ppb		SW 8082
03/12/09	Arochlor 1221	<50 ppb		SW 8082
03/12/09	Arochlor 1232	<50 ppb		SW 8082
03/12/09	Arochlor 1242	<50 ppb		SW 8082
03/12/09	Arochlor 1248	<50 ppb		SW 8082
03/12/09	Arochlor 1254	<50 ppb		SW 8082
03/12/09	Arochlor 1260	<50 ppb		SW 8082
03/12/09	b-BHC	<2 ppb	N/A	EPA 8081
03/12/09	Chlordane, alpha	<2 ppb	N/A	EPA 8081
03/12/09	d-BHC	<2 ppb	N/A	EPA 8081
03/12/09	Dieldrin	<2 ppb	N/A	EPA 8081
03/12/09	Endosulfan	<2 ppb	N/A	EPA 8081
03/12/09	Endosulfan I	<2 ppb	N/A	EPA 8081
03/12/09	Endosulfan II	<2 ppb	N/A	EPA 8081
03/12/09	Endosulfan Sulfate	<2 ppb	N/A	EPA 8081
03/12/09	Endrin	<2 ppb	N/A	EPA 8081

JMS Environmental Services, Inc.
WATER, SOIL AND AIR ANALYSIS
41 Kenosia Avenue
Danbury, Connecticut 06810 | Telephone 203-798-2229

Impact Environmental: 1738

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct
City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information:
Name: Erik Curran
Address of site: 666 Green Ave
City: Not Specified
State: NY **Zip:**
Phone:

JMS ID: 080130

Sample's Information: **Sample ID:** SB6

Site: 10'
Preservative: N/A
Temperature:
Matrix: Soil

Date Collected: 3/10/2009
Time Collected: 12:00:00 PM

Date Received: 3/11/2009
Time Received: 5:10:00 PM
Lab No.: J0901592

Date Analyzed	Test Name	Result	MCL	Method
03/12/09	Endrin Aldehyde	<2 ppb	N/A	EPA 8081
03/12/09	Endrin Ketone	<2 ppb	N/A	EPA 8081
03/12/09	g-BHC	<2 ppb	N/A	EPA 8081
03/12/09	Heptachlor	<2 ppb	N/A	EPA 8081
03/12/09	Heptachlor epoxide	<2 ppb	N/A	EPA 8081
03/12/09	Methoxychlor	<2 ppb	N/A	EPA 8081
03/12/09	Mitotane	<2 ppb	N/A	EPA 8081
03/12/09	Parathion	<30 ppb	N/A	EPA 8081
03/12/09	Polychlorinated biphenyls (PCBs	<50 ppb		SW 8082
03/12/09	Toxaphene	<100 ppb	N/A	EPA 8081
03/13/09	Aluminum	6402 ppm	N/A	6010/E200.7
03/13/09	Antimony	1.14 ppm	N/A	6010/E200.7
03/13/09	Arsenic	5.17 ppm	N/A	6010/E200.7
03/13/09	Barium	207 ppm	N/A	6010/E200.7
03/13/09	Beryllium	0.4 ppm	N/A	6010/E200.7
03/13/09	Cadmium	0.54 ppm	N/A	6010/E200.7
03/13/09	Calcium	13386 ppm	N/A	6010/E200.7
03/13/09	Chromium	11.7 ppm	N/A	6010/E200.7
03/13/09	Chromium, Trivalent	11.7 ppm	N/A	6010/E200.7
03/13/09	Cobalt	6.68 ppm	N/A	6010/E200.7
03/13/09	Copper	54.2 ppm	N/A	6010/E200.7
03/13/09	Iron	9252 ppm	N/A	6010/E200.7
03/13/09	Lead	183 ppm	N/A	6010/E200.7
03/13/09	Magnesium	835 ppm	N/A	6010/E200.7
03/13/09	Manganese	145 ppm	N/A	6010/E200.7
03/12/09	Mercury	0.708 ppm	N/A	SW-7471
03/13/09	Nickel	14.4 ppm	N/A	6010/E200.7
03/13/09	Potassium	718 ppm	N/A	6010/E200.7
03/13/09	Selenium	<0.1 ppm	N/A	6010/E200.7
03/13/09	Silver	0.22 ppm	N/A	6010/E200.7
03/13/09	Sodium	644 ppm	N/A	6010/E200.7

JMS Environmental Services, Inc.
WATER, SOIL AND AIR ANALYSIS
41 Kenosia Avenue
Danbury, Connecticut 06810 | Telephone 203-798-2229

Impact Environmental: 1738

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct
City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information:
Name: Erik Curran
Address of site: 666 Green Ave
City: Not Specified
State: NY **Zip:**
Phone:

JMS ID: 080130

Sample's Information: **Sample ID:** SB6

Site: 10'
Preservative: N/A
Temperature:
Matrix: Soil

Date Collected: 3/10/2009
Time Collected: 12:00:00 PM

Date Received: 3/11/2009
Time Received: 5:10:00 PM
Lab No.: J0901592

Date Analyzed	Test Name	Result	MCL	Method
03/13/09	Thallium	<0.1 ppm	N/A	6010/E200.7
03/13/09	Vanadium	21.2 ppm	N/A	6010/E200.7
03/13/09	Zinc	84 ppm	N/A	6010/E200.7

MCL = Maximum Contaminant Level **N/A = Not Applicable** **ppb = parts per billion**
ppm = parts per million

Signature: Michael Lapman
Michael Lapman
President

Reviewed By: Sharon Houlahan
Sharon Houlahan, Director

State #: PH-0218 ELAP #: 11715 Ref Lab: 11301,

APPENDIX C

Soil Boring Logs

Soil Boring Log

Ecosystems Strategies, Inc.

SB-01 (SHEET 1 OF 1)	Remedial Investigation 666 Greene Avenue Borough of Brooklyn New York City, New York	ESI FILE EB15157B.40
	DATE: 2016-05-10 DRILLER (RIG) Core Down Drilling (Geoprobe, 4' macro-core)	
	ESI STAFF: T. Goodnough WEATHER: sunny, 70s F	

BORING INTERVAL (RECOVERY)	SURFACE MATERIAL: GRASS + TOPSOIL (2") SOIL / MATERIAL DESCRIPTION	MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
0 – 4' (75%)	Dark brown, silty M-F SAND with brick, glass, concrete, masonry, metal inclusions to ~2.5'	Dry	0	ND	ND	ND	**0-2**
	Medium brown/orange, silty M-F SAND	Dry	0	ND	ND	ND	
4 – 8' (33%)	Medium brown/orange M-F SAND	Dry	0	ND	ND	ND	**4-6**
	****** End of Boring at 8' *****						
8 – 12' (90%)							
12 – 16' (100%)							

Notes

Fill Materials

~0 – 8'

Field Evidence of Contamination

Not encountered

Saturated Soils

Not encountered

ND (non-detect) **PID** (photoionization detector) **ppm** (parts per million) **NAPL** (non-aqueous phase liquid)
F (fine) **M** (medium) **C** (coarse) **P** (plastic) **LP** (low plastic) **NP** (non-plastic)

Soil Boring Log

Ecosystems Strategies, Inc.

SB-02 (SHEET 1 OF 1)	Remedial Investigation 666 Greene Avenue Borough of Brooklyn New York City, New York	ESI FILE EB15157B.40
	DATE: 2016-05-10 DRILLER (RIG) Core Down Drilling (Geoprobe, 4' macro-core)	
	ESI STAFF: T. Goodnough WEATHER: sunny, 70s F	

BORING INTERVAL (RECOVERY)	SURFACE MATERIAL: GRASS + TOPSOIL (2") SOIL / MATERIAL DESCRIPTION	MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
0 – 4' (75%)	Dark brown, silty M-F SAND with brick, masonry, coal, rock, concrete inclusions	Dry	0	ND	ND	ND	**0-2**
4 – 8' (50%)	Brick to ~4.5' Medium brown/orange, silty M-F SAND becoming more clayey below ~7' ****** End of Boring at 8' *****	Dry Dry	0 0	ND ND	ND ND	ND ND	**4-6**
8 – 12' (50%)							
12 – 16' (75%)							

Notes

Fill Materials

~0 - 8'

Field Evidence of Contamination

Not encountered

Saturated Soils

Not encountered

ND (non-detect) **PID** (photoionization detector) **ppm** (parts per million) **NAPL** (non-aqueous phase liquid)
F (fine) **M** (medium) **C** (coarse) **P** (plastic) **LP** (low plastic) **NP** (non-plastic)

APPENDIX D

Laboratory Data Deliverables for Soil and Soil Vapor Analytical Data

Technical Report

prepared for:

Ecosystems Strategies, Inc.
24 Davis Avenue
Poughkeepsie NY, 12603
Attention: Tyler Goodnough

Report Date: 05/19/2016
Client Project ID: EB15157B
York Project (SDG) No.: 16E0537

CT Cert. No. PH-0723 New Jersey Cert. No. CT-005 New York Cert. No. 10854 PA Cert. No. 68-04440

120 RESEARCH DRIVE STRATFORD, CT 06615 (203) 325-1371 FAX (203) 357-0166

Report Date: 05/19/2016
Client Project ID: EB15157B
York Project (SDG) No.: 16E0537

Ecosystems Strategies, Inc.
24 Davis Avenue
Poughkeepsie NY, 12603
Attention: Tyler Goodnough

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 May 12, 2016 and listed below. The project was identified as your project: **EB15157B**.

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.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
16E0537-01	SB-01 0-2	Soil	05/10/2016	05/12/2016
16E0537-02	SB-01 4-6	Soil	05/10/2016	05/12/2016
16E0537-03	SB-02 0-2	Soil	05/10/2016	05/12/2016
16E0537-04	SB-024-6	Soil	05/10/2016	05/12/2016

General Notes for York Project (SDG) No.: 16E0537

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:

Date: 05/19/2016

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: **SB-01 0-2** **York Sample ID:** **16E0537-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0537	EB15157B	Soil	May 10, 2016 3:00 pm	05/12/2016

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	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 12:48	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 12:48	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 12:48	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 12:48	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 12:48	BK
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 12:48	BK
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 12:48	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 12:48	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 12:48	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 12:48	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 12:48	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 12:48	BK
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 12:48	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 12:48	BK
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 12:48	BK
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 12:48	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 12:48	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 12:48	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 12:48	BK
123-91-1	1,4-Dioxane	ND		ug/kg dry	47	93	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 12:48	BK
78-93-3	**2-Butanone**	**2.9**	CCV-E, J	ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 12:48	BK
591-78-6	2-Hexanone	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 12:48	BK
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 12:48	BK

Sample Information

Client Sample ID: **SB-01 0-2** **York Sample ID:** **16E0537-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0537	EB15157B	Soil	May 10, 2016 3:00 pm	05/12/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	**Acetone**	**21**	CCV-E, SCAL-E	ug/kg dry	4.7	9.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 12:48	BK
107-02-8	Acrolein	ND		ug/kg dry	4.7	9.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 12:48	BK
107-13-1	Acrylonitrile	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 12:48	BK
71-43-2	Benzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 12:48	BK
74-97-5	Bromochloromethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 12:48	BK
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 12:48	BK
75-25-2	Bromoform	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 12:48	BK
74-83-9	Bromomethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 12:48	BK
75-15-0	Carbon disulfide	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 12:48	BK
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 12:48	BK
108-90-7	Chlorobenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 12:48	BK
75-00-3	Chloroethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 12:48	BK
67-66-3	Chloroform	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 12:48	BK
74-87-3	Chloromethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 12:48	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 12:48	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 12:48	BK
110-82-7	Cyclohexane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 12:48	BK
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 12:48	BK
74-95-3	Dibromomethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 12:48	BK
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 12:48	BK
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 12:48	BK
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 12:48	BK
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 12:48	BK

Sample Information

Client Sample ID: **SB-01 0-2** **York Sample ID:** **16E0537-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0537	EB15157B	Soil	May 10, 2016 3:00 pm	05/12/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-20-9	Methyl acetate	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 12:48	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 12:48	BK
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 12:48	BK
75-09-2	Methylene chloride	ND		ug/kg dry	4.7	9.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 12:48	BK
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 12:48	BK
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 12:48	BK
95-47-6	o-Xylene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	05/16/2016 08:09	05/16/2016 12:48	BK
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.7	9.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	05/16/2016 08:09	05/16/2016 12:48	BK
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 12:48	BK
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 12:48	BK
100-42-5	Styrene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 12:48	BK
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	4.7	9.3	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 12:48	BK
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 12:48	BK
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 12:48	BK
108-88-3	Toluene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 12:48	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 12:48	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 12:48	BK
79-01-6	Trichloroethylene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 12:48	BK
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 12:48	BK
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 12:48	BK
1330-20-7	Xylenes, Total	ND		ug/kg dry	7.0	14	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 12:48	BK

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*94.8 %*	*77-125*
2037-26-5	*Surrogate: Toluene-d8*	*99.5 %*	*85-120*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*99.1 %*	*76-130*

Sample Information

Client Sample ID: **SB-01 0-2** **York Sample ID:** **16E0537-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0537	EB15157B	Soil	May 10, 2016 3:00 pm	05/12/2016

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	**1,1'-Biphenyl**	**83.8**	J	ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 22:54	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	96.1	192	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 22:54	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 22:54	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/16/2016 07:23	05/16/2016 22:54	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 22:54	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/16/2016 07:23	05/16/2016 22:54	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/16/2016 07:23	05/16/2016 22:54	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	96.1	192	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 22:54	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 22:54	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 22:54	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 22:54	SR
105-67-9	**2,4-Dimethylphenol**	**61.5**	J	ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 22:54	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	96.1	192	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 22:54	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 22:54	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 22:54	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 22:54	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 22:54	SR
91-57-6	**2-Methylnaphthalene**	**448**		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 22:54	SR
95-48-7	**2-Methylphenol**	**56.9**	J	ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 22:54	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	96.1	192	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 22:54	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 22:54	SR
65794-96-9	**3- & 4-Methylphenols**	**121**		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 22:54	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 22:54	SR

Sample Information

Client Sample ID: **SB-01 0-2** **York Sample ID:** **16E0537-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0537	EB15157B	Soil	May 10, 2016 3:00 pm	05/12/2016

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
99-09-2	3-Nitroaniline	ND		ug/kg dry	96.1	192	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 22:54	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	96.1	192	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 22:54	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 22:54	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 22:54	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 22:54	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 22:54	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	96.1	192	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 22:54	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	96.1	192	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 22:54	SR
83-32-9	**Acenaphthene**	**488**		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 22:54	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 22:54	SR
98-86-2	Acetophenone	ND		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 22:54	SR
62-53-3	Aniline	ND		ug/kg dry	192	385	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 22:54	SR
120-12-7	**Anthracene**	**894**		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 22:54	SR
1912-24-9	Atrazine	ND		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 22:54	SR
100-52-7	Benzaldehyde	ND		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 22:54	SR
92-87-5	Benzidine	ND		ug/kg dry	192	385	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	05/16/2016 07:23	05/16/2016 22:54	SR
56-55-3	**Benzo(a)anthracene**	**1900**	CCV-E	ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 22:54	SR
50-32-8	**Benzo(a)pyrene**	**715**		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 22:54	SR
205-99-2	**Benzo(b)fluoranthene**	**582**		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 22:54	SR
191-24-2	**Benzo(g,h,i)perylene**	**568**	CCV-E, IS-06	ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 22:54	SR
207-08-9	**Benzo(k)fluoranthene**	**814**		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 22:54	SR
65-85-0	Benzoic acid	ND		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 22:54	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 22:54	SR

Sample Information

Client Sample ID: **SB-01 0-2** **York Sample ID:** **16E0537-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0537	EB15157B	Soil	May 10, 2016 3:00 pm	05/12/2016

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-68-7	**Benzyl butyl phthalate**	**1480**		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 22:54	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 22:54	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 22:54	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 22:54	SR
117-81-7	**Bis(2-ethylhexyl)phthalate**	**1830**	CCV-E	ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 22:54	SR
105-60-2	Caprolactam	ND		ug/kg dry	96.1	192	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 22:54	SR
86-74-8	**Carbazole**	**1010**		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 22:54	SR
218-01-9	**Chrysene**	**2000**		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 22:54	SR
53-70-3	**Dibenzo(a,h)anthracene**	**366**	CCV-E, IS-06	ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 22:54	SR
132-64-9	**Dibenzofuran**	**469**		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 22:54	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 22:54	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 22:54	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 22:54	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 22:54	SR
206-44-0	**Fluoranthene**	**4680**		ug/kg dry	120	240	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/18/2016 02:49	SR
86-73-7	**Fluorene**	**584**		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 22:54	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 22:54	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 22:54	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 22:54	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 22:54	SR
193-39-5	**Indeno(1,2,3-cd)pyrene**	**609**	CCV-E, IS-06	ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 22:54	SR
78-59-1	Isophorone	ND		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 22:54	SR
91-20-3	**Naphthalene**	**1160**		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 22:54	SR

Sample Information

Client Sample ID: **SB-01 0-2** **York Sample ID:** **16E0537-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0537	EB15157B	Soil	May 10, 2016 3:00 pm	05/12/2016

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-95-3	Nitrobenzene	ND		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 22:54	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 22:54	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 22:54	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 22:54	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 22:54	SR
85-01-8	**Phenanthrene**	**4720**		ug/kg dry	120	240	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/18/2016 02:49	SR
108-95-2	Phenol	ND		ug/kg dry	48.2	96.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 22:54	SR
129-00-0	**Pyrene**	**4780**		ug/kg dry	120	240	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/18/2016 02:49	SR

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*37.4 %*	*20-108*
4165-62-2	*Surrogate: Phenol-d5*	*43.3 %*	*23-114*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*38.0 %*	*22-108*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*40.8 %*	*21-113*
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*35.8 %*	*19-110*
1718-51-0	*Surrogate: Terphenyl-d14*	*51.5 %*	*24-116*

Pesticides, 8081 target list

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.90	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2016 07:17	05/18/2016 17:55	AMC
72-55-9	4,4'-DDE	ND		ug/kg dry	1.90	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2016 07:17	05/18/2016 17:55	AMC
50-29-3	**4,4'-DDT**	**52.2**		ug/kg dry	1.90	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2016 07:17	05/18/2016 17:55	AMC
309-00-2	Aldrin	ND		ug/kg dry	1.90	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2016 07:17	05/18/2016 17:55	AMC
319-84-6	alpha-BHC	ND		ug/kg dry	1.90	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2016 07:17	05/18/2016 17:55	AMC
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.90	1.90	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/18/2016 07:17	05/18/2016 17:55	AMC
319-85-7	beta-BHC	ND		ug/kg dry	1.90	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2016 07:17	05/18/2016 17:55	AMC
57-74-9	**Chlordane, total**	**140**		ug/kg dry	76.1	76.1	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2016 07:17	05/18/2016 17:55	AMC

Sample Information

Client Sample ID: **SB-01 0-2** **York Sample ID:** **16E0537-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0537	EB15157B	Soil	May 10, 2016 3:00 pm	05/12/2016

Pesticides, 8081 target list

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
319-86-8	delta-BHC	ND		ug/kg dry	1.90	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2016 07:17	05/18/2016 17:55	AMC
60-57-1	**Dieldrin**	**7.68**		ug/kg dry	1.90	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2016 07:17	05/18/2016 17:55	AMC
959-98-8	Endosulfan I	ND		ug/kg dry	1.90	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2016 07:17	05/18/2016 17:55	AMC
33213-65-9	Endosulfan II	ND		ug/kg dry	1.90	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2016 07:17	05/18/2016 17:55	AMC
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.90	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2016 07:17	05/18/2016 17:55	AMC
72-20-8	Endrin	ND		ug/kg dry	1.90	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2016 07:17	05/18/2016 17:55	AMC
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.90	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2016 07:17	05/18/2016 17:55	AMC
53494-70-5	Endrin ketone	ND		ug/kg dry	1.90	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2016 07:17	05/18/2016 17:55	AMC
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.90	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2016 07:17	05/18/2016 17:55	AMC
5566-34-7	**gamma-Chlordane**	**6.31**		ug/kg dry	1.90	1.90	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/18/2016 07:17	05/18/2016 17:55	AMC
76-44-8	Heptachlor	ND		ug/kg dry	1.90	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2016 07:17	05/18/2016 17:55	AMC
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.90	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2016 07:17	05/18/2016 17:55	AMC
72-43-5	Methoxychlor	ND		ug/kg dry	9.51	9.51	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2016 07:17	05/18/2016 17:55	AMC
8001-35-2	Toxaphene	ND		ug/kg dry	96.2	96.2	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2016 07:17	05/18/2016 17:55	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*74.9 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*80.9 %*	*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	0.0192	0.0192	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/18/2016 07:17	05/18/2016 16:14	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0192	0.0192	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/18/2016 07:17	05/18/2016 16:14	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0192	0.0192	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/18/2016 07:17	05/18/2016 16:14	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0192	0.0192	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/18/2016 07:17	05/18/2016 16:14	AMC

Sample Information

Client Sample ID: **SB-01 0-2** **York Sample ID:** **16E0537-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0537	EB15157B	Soil	May 10, 2016 3:00 pm	05/12/2016

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
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0192	0.0192	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/18/2016 07:17	05/18/2016 16:14	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0192	0.0192	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/18/2016 07:17	05/18/2016 16:14	AMC
11096-82-5	**Aroclor 1260**	**0.127**		mg/kg dry	0.0192	0.0192	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/18/2016 07:17	05/18/2016 16:14	AMC
1336-36-3	*** Total PCBs**	**0.130**		mg/kg dry	0.0192	0.0192	1	EPA 8082A Certifications:	05/18/2016 07:17	05/18/2016 16:14	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*82.0 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*85.5 %*	*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**	**7900**		mg/kg dry	5.76	5.76	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 10:34	05/13/2016 21:51	ALD
7440-36-0	Antimony	ND		mg/kg dry	0.576	0.576	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 10:34	05/13/2016 21:51	ALD
7440-38-2	**Arsenic**	**4.63**		mg/kg dry	1.15	1.15	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 10:34	05/13/2016 21:51	ALD
7440-39-3	**Barium**	**186**		mg/kg dry	1.15	1.15	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 10:34	05/13/2016 21:51	ALD
7440-41-7	**Beryllium**	**0.240**		mg/kg dry	0.115	0.115	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 10:34	05/13/2016 21:51	ALD
7440-43-9	**Cadmium**	**0.545**		mg/kg dry	0.346	0.346	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 10:34	05/13/2016 21:51	ALD
7440-70-2	**Calcium**	**47800**		mg/kg dry	0.576	5.76	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 10:34	05/13/2016 21:51	ALD
7440-47-3	**Chromium**	**22.4**		mg/kg dry	0.576	0.576	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 10:34	05/13/2016 21:51	ALD
7440-48-4	**Cobalt**	**6.07**		mg/kg dry	0.576	0.576	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 10:34	05/13/2016 21:51	ALD
7440-50-8	**Copper**	**41.6**		mg/kg dry	0.576	0.576	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 10:34	05/13/2016 21:51	ALD
7439-89-6	**Iron**	**17000**		mg/kg dry	2.31	2.31	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 10:34	05/13/2016 21:51	ALD
7439-92-1	**Lead**	**372**		mg/kg dry	0.346	0.346	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 10:34	05/13/2016 21:51	ALD
7439-95-4	**Magnesium**	**4990**		mg/kg dry	5.76	5.76	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 10:34	05/13/2016 21:51	ALD

Sample Information

Client Sample ID: SB-01 0-2 **York Sample ID:** 16E0537-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0537	EB15157B	Soil	May 10, 2016 3:00 pm	05/12/2016

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
7439-96-5	**Manganese**	**282**		mg/kg dry	0.576	0.576	1	EPA 6010C	05/13/2016 10:34	05/13/2016 21:51	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-02-0	**Nickel**	**14.4**		mg/kg dry	0.576	0.576	1	EPA 6010C	05/13/2016 10:34	05/13/2016 21:51	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-09-7	**Potassium**	**900**		mg/kg dry	5.76	5.76	1	EPA 6010C	05/13/2016 10:34	05/13/2016 21:51	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7782-49-2	Selenium	ND		mg/kg dry	1.15	1.15	1	EPA 6010C	05/13/2016 10:34	05/13/2016 21:51	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-22-4	Silver	ND		mg/kg dry	0.576	0.576	1	EPA 6010C	05/13/2016 10:34	05/13/2016 21:51	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-23-5	**Sodium**	**329**		mg/kg dry	11.5	11.5	1	EPA 6010C	05/13/2016 10:34	05/13/2016 21:51	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
7440-28-0	Thallium	ND		mg/kg dry	1.15	1.15	1	EPA 6010C	05/13/2016 10:34	05/13/2016 21:51	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-62-2	**Vanadium**	**25.2**		mg/kg dry	1.15	1.15	1	EPA 6010C	05/13/2016 10:34	05/13/2016 21:51	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-66-6	**Zinc**	**238**		mg/kg dry	1.15	1.15	1	EPA 6010C	05/13/2016 10:34	05/13/2016 21:51	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.210**		mg/kg dry	0.0346	0.0346	1	EPA 7473	05/13/2016 06:30	05/13/2016 11:13	ALD
								Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**86.8**		%	0.100	0.100	1	SM 2540G	05/18/2016 13:51	05/18/2016 17:50	LAB
								Certifications: CTDOH			

Sample Information

Client Sample ID: SB-01 4-6 **York Sample ID:** 16E0537-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0537	EB15157B	Soil	May 10, 2016 3:00 pm	05/12/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Information

Client Sample ID: **SB-01 4-6** **York Sample ID:** **16E0537-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0537	EB15157B	Soil	May 10, 2016 3:00 pm	05/12/2016

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	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 13:17	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 13:17	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 13:17	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 13:17	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 13:17	BK
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 13:17	BK
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 13:17	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 13:17	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 13:17	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 13:17	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 13:17	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 13:17	BK
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 13:17	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 13:17	BK
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 13:17	BK
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 13:17	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 13:17	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 13:17	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 13:17	BK
123-91-1	1,4-Dioxane	ND		ug/kg dry	43	85	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 13:17	BK
78-93-3	2-Butanone	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 13:17	BK
591-78-6	2-Hexanone	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 13:17	BK
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 13:17	BK
67-64-1	Acetone	ND		ug/kg dry	4.3	8.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 13:17	BK

Sample Information

Client Sample ID: **SB-01 4-6** **York Sample ID:** **16E0537-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0537	EB15157B	Soil	May 10, 2016 3:00 pm	05/12/2016

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
107-02-8	Acrolein	ND		ug/kg dry	4.3	8.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 13:17	BK
107-13-1	Acrylonitrile	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 13:17	BK
71-43-2	Benzene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 13:17	BK
74-97-5	Bromochloromethane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 13:17	BK
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 13:17	BK
75-25-2	Bromoform	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 13:17	BK
74-83-9	Bromomethane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 13:17	BK
75-15-0	Carbon disulfide	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 13:17	BK
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 13:17	BK
108-90-7	Chlorobenzene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 13:17	BK
75-00-3	Chloroethane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 13:17	BK
67-66-3	Chloroform	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 13:17	BK
74-87-3	Chloromethane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 13:17	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 13:17	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 13:17	BK
110-82-7	Cyclohexane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 13:17	BK
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 13:17	BK
74-95-3	Dibromomethane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 13:17	BK
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 13:17	BK
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 13:17	BK
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 13:17	BK
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 13:17	BK
79-20-9	Methyl acetate	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 13:17	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 13:17	BK

Sample Information

Client Sample ID: **SB-01 4-6** **York Sample ID:** **16E0537-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0537	EB15157B	Soil	May 10, 2016 3:00 pm	05/12/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 13:17	BK
75-09-2	Methylene chloride	ND		ug/kg dry	4.3	8.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 13:17	BK
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 13:17	BK
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 13:17	BK
95-47-6	o-Xylene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	05/16/2016 08:09	05/16/2016 13:17	BK
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.3	8.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	05/16/2016 08:09	05/16/2016 13:17	BK
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 13:17	BK
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 13:17	BK
100-42-5	Styrene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 13:17	BK
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	4.3	8.5	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 13:17	BK
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 13:17	BK
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 13:17	BK
108-88-3	Toluene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 13:17	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 13:17	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 13:17	BK
79-01-6	Trichloroethylene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 13:17	BK
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 13:17	BK
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.1	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 13:17	BK
1330-20-7	Xylenes, Total	ND		ug/kg dry	6.4	13	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 13:17	BK

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*97.3 %*	*77-125*
2037-26-5	*Surrogate: Toluene-d8*	*97.5 %*	*85-120*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*99.4 %*	*76-130*

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Information

Client Sample ID: **SB-01 4-6** **York Sample ID:** **16E0537-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0537	EB15157B	Soil	May 10, 2016 3:00 pm	05/12/2016

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1'-Biphenyl	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 19:47	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	95.3	190	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 19:47	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 19:47	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/16/2016 07:23	05/16/2016 19:47	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 19:47	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/16/2016 07:23	05/16/2016 19:47	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/16/2016 07:23	05/16/2016 19:47	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	95.3	190	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 19:47	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 19:47	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 19:47	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 19:47	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 19:47	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	95.3	190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 19:47	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 19:47	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 19:47	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 19:47	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 19:47	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 19:47	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 19:47	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	95.3	190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 19:47	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 19:47	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 19:47	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 19:47	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	95.3	190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 19:47	SR

Sample Information

Client Sample ID: **SB-01 4-6** **York Sample ID:** **16E0537-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0537	EB15157B	Soil	May 10, 2016 3:00 pm	05/12/2016

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	95.3	190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 19:47	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 19:47	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 19:47	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 19:47	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 19:47	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	95.3	190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 19:47	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	95.3	190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 19:47	SR
83-32-9	Acenaphthene	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 19:47	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 19:47	SR
98-86-2	Acetophenone	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 19:47	SR
62-53-3	Aniline	ND		ug/kg dry	191	382	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 19:47	SR
120-12-7	Anthracene	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 19:47	SR
1912-24-9	Atrazine	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 19:47	SR
100-52-7	Benzaldehyde	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 19:47	SR
92-87-5	Benzidine	ND		ug/kg dry	191	382	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	05/16/2016 07:23	05/16/2016 19:47	SR
56-55-3	**Benzo(a)anthracene**	**64.7**	CCV-E, J	ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 19:47	SR
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 19:47	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 19:47	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 19:47	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 19:47	SR
65-85-0	Benzoic acid	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 19:47	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 19:47	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 19:47	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 19:47	SR

Sample Information

Client Sample ID: **SB-01 4-6** **York Sample ID:** **16E0537-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0537	EB15157B	Soil	May 10, 2016 3:00 pm	05/12/2016

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 19:47	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 19:47	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 19:47	SR
105-60-2	Caprolactam	ND		ug/kg dry	95.3	190	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 19:47	SR
86-74-8	Carbazole	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 19:47	SR
218-01-9	**Chrysene**	**61.7**	J	ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 19:47	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 19:47	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 19:47	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 19:47	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 19:47	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 19:47	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 19:47	SR
206-44-0	**Fluoranthene**	**135**		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 19:47	SR
86-73-7	Fluorene	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 19:47	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 19:47	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 19:47	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 19:47	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 19:47	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 19:47	SR
78-59-1	Isophorone	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 19:47	SR
91-20-3	Naphthalene	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 19:47	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 19:47	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 19:47	SR

Sample Information

Client Sample ID: **SB-01 4-6** **York Sample ID:** **16E0537-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0537	EB15157B	Soil	May 10, 2016 3:00 pm	05/12/2016

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
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 19:47	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 19:47	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 19:47	SR
85-01-8	**Phenanthrene**	**102**		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 19:47	SR
108-95-2	Phenol	ND		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 19:47	SR
129-00-0	**Pyrene**	**104**		ug/kg dry	47.8	95.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 19:47	SR

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*44.1 %*	*20-108*
4165-62-2	*Surrogate: Phenol-d5*	*49.4 %*	*23-114*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*43.7 %*	*22-108*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*46.3 %*	*21-113*
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*47.2 %*	*19-110*
1718-51-0	*Surrogate: Terphenyl-d14*	*38.5 %*	*24-116*

Pesticides, 8081 target list

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.89	1.89	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2016 07:17	05/18/2016 18:10	AMC
72-55-9	4,4'-DDE	ND		ug/kg dry	1.89	1.89	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2016 07:17	05/18/2016 18:10	AMC
50-29-3	4,4'-DDT	ND		ug/kg dry	1.89	1.89	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2016 07:17	05/18/2016 18:10	AMC
309-00-2	Aldrin	ND		ug/kg dry	1.89	1.89	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2016 07:17	05/18/2016 18:10	AMC
319-84-6	alpha-BHC	ND		ug/kg dry	1.89	1.89	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2016 07:17	05/18/2016 18:10	AMC
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.89	1.89	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/18/2016 07:17	05/18/2016 18:10	AMC
319-85-7	beta-BHC	ND		ug/kg dry	1.89	1.89	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2016 07:17	05/18/2016 18:10	AMC
57-74-9	Chlordane, total	ND		ug/kg dry	75.4	75.4	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2016 07:17	05/18/2016 18:10	AMC
319-86-8	delta-BHC	ND		ug/kg dry	1.89	1.89	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2016 07:17	05/18/2016 18:10	AMC
60-57-1	Dieldrin	ND		ug/kg dry	1.89	1.89	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2016 07:17	05/18/2016 18:10	AMC

Sample Information

Client Sample ID: **SB-01 4-6** **York Sample ID:** **16E0537-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0537	EB15157B	Soil	May 10, 2016 3:00 pm	05/12/2016

Pesticides, 8081 target list

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
959-98-8	Endosulfan I	ND		ug/kg dry	1.89	1.89	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2016 07:17	05/18/2016 18:10	AMC
33213-65-9	Endosulfan II	ND		ug/kg dry	1.89	1.89	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2016 07:17	05/18/2016 18:10	AMC
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.89	1.89	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2016 07:17	05/18/2016 18:10	AMC
72-20-8	Endrin	ND		ug/kg dry	1.89	1.89	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2016 07:17	05/18/2016 18:10	AMC
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.89	1.89	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2016 07:17	05/18/2016 18:10	AMC
53494-70-5	Endrin ketone	ND		ug/kg dry	1.89	1.89	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2016 07:17	05/18/2016 18:10	AMC
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.89	1.89	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2016 07:17	05/18/2016 18:10	AMC
5566-34-7	gamma-Chlordane	ND		ug/kg dry	1.89	1.89	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/18/2016 07:17	05/18/2016 18:10	AMC
76-44-8	Heptachlor	ND		ug/kg dry	1.89	1.89	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2016 07:17	05/18/2016 18:10	AMC
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.89	1.89	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2016 07:17	05/18/2016 18:10	AMC
72-43-5	Methoxychlor	ND		ug/kg dry	9.43	9.43	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2016 07:17	05/18/2016 18:10	AMC
8001-35-2	Toxaphene	ND		ug/kg dry	95.4	95.4	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2016 07:17	05/18/2016 18:10	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*60.1 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*78.4 %*	*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	0.0190	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/18/2016 07:17	05/18/2016 15:22	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0190	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/18/2016 07:17	05/18/2016 15:22	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0190	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/18/2016 07:17	05/18/2016 15:22	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0190	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/18/2016 07:17	05/18/2016 15:22	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0190	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/18/2016 07:17	05/18/2016 15:22	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0190	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/18/2016 07:17	05/18/2016 15:22	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0190	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/18/2016 07:17	05/18/2016 15:22	AMC

Sample Information

Client Sample ID: **SB-01 4-6** **York Sample ID:** **16E0537-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0537	EB15157B	Soil	May 10, 2016 3:00 pm	05/12/2016

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
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0190	0.0190	1	EPA 8082A Certifications:	05/18/2016 07:17	05/18/2016 15:22	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*64.5 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*80.5 %*	*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**	**13400**		mg/kg dry	5.71	5.71	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 10:34	05/13/2016 21:56	ALD
7440-36-0	Antimony	ND		mg/kg dry	0.571	0.571	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 10:34	05/13/2016 21:56	ALD
7440-38-2	**Arsenic**	**3.25**		mg/kg dry	1.14	1.14	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 10:34	05/13/2016 21:56	ALD
7440-39-3	**Barium**	**51.1**		mg/kg dry	1.14	1.14	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 10:34	05/13/2016 21:56	ALD
7440-41-7	**Beryllium**	**0.423**		mg/kg dry	0.114	0.114	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 10:34	05/13/2016 21:56	ALD
7440-43-9	Cadmium	ND		mg/kg dry	0.343	0.343	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 10:34	05/13/2016 21:56	ALD
7440-70-2	**Calcium**	**1300**		mg/kg dry	0.571	5.71	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 10:34	05/13/2016 21:56	ALD
7440-47-3	**Chromium**	**19.3**		mg/kg dry	0.571	0.571	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 10:34	05/13/2016 21:56	ALD
7440-48-4	**Cobalt**	**7.91**		mg/kg dry	0.571	0.571	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 10:34	05/13/2016 21:56	ALD
7440-50-8	**Copper**	**14.3**		mg/kg dry	0.571	0.571	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 10:34	05/13/2016 21:56	ALD
7439-89-6	**Iron**	**21100**		mg/kg dry	2.29	2.29	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 10:34	05/13/2016 21:56	ALD
7439-92-1	**Lead**	**65.0**		mg/kg dry	0.343	0.343	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 10:34	05/13/2016 21:56	ALD
7439-95-4	**Magnesium**	**2490**		mg/kg dry	5.71	5.71	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 10:34	05/13/2016 21:56	ALD
7439-96-5	**Manganese**	**411**		mg/kg dry	0.571	0.571	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 10:34	05/13/2016 21:56	ALD
7440-02-0	**Nickel**	**20.9**		mg/kg dry	0.571	0.571	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 10:34	05/13/2016 21:56	ALD
7440-09-7	**Potassium**	**776**		mg/kg dry	5.71	5.71	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 10:34	05/13/2016 21:56	ALD

Sample Information

Client Sample ID: **SB-01 4-6** **York Sample ID:** **16E0537-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0537	EB15157B	Soil	May 10, 2016 3:00 pm	05/12/2016

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**	**2.43**		mg/kg dry	1.14	1.14	1	EPA 6010C	05/13/2016 10:34	05/13/2016 21:56	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-22-4	Silver	ND		mg/kg dry	0.571	0.571	1	EPA 6010C	05/13/2016 10:34	05/13/2016 21:56	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-23-5	**Sodium**	**76.9**		mg/kg dry	11.4	11.4	1	EPA 6010C	05/13/2016 10:34	05/13/2016 21:56	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
7440-28-0	Thallium	ND		mg/kg dry	1.14	1.14	1	EPA 6010C	05/13/2016 10:34	05/13/2016 21:56	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-62-2	**Vanadium**	**27.9**		mg/kg dry	1.14	1.14	1	EPA 6010C	05/13/2016 10:34	05/13/2016 21:56	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-66-6	**Zinc**	**30.6**		mg/kg dry	1.14	1.14	1	EPA 6010C	05/13/2016 10:34	05/13/2016 21:56	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.0417**		mg/kg dry	0.0343	0.0343	1	EPA 7473	05/13/2016 06:30	05/13/2016 11:22	ALD
								Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**87.5**		%	0.100	0.100	1	SM 2540G	05/18/2016 13:51	05/18/2016 17:50	LAB
								Certifications: CTDOH			

Sample Information

Client Sample ID: **SB-02 0-2** **York Sample ID:** **16E0537-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0537	EB15157B	Soil	May 10, 2016 3:00 pm	05/12/2016

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	2.2	4.4	1	EPA 8260C	05/16/2016 08:09	05/16/2016 13:47	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP			

Sample Information

Client Sample ID: **SB-02 0-2** **York Sample ID:** **16E0537-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0537	EB15157B	Soil	May 10, 2016 3:00 pm	05/12/2016

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
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 13:47	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 13:47	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 13:47	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 13:47	BK
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 13:47	BK
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 13:47	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 13:47	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 13:47	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 13:47	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 13:47	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 13:47	BK
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 13:47	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 13:47	BK
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 13:47	BK
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 13:47	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 13:47	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 13:47	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 13:47	BK
123-91-1	1,4-Dioxane	ND		ug/kg dry	44	88	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 13:47	BK
78-93-3	2-Butanone	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 13:47	BK
591-78-6	2-Hexanone	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 13:47	BK
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 13:47	BK
67-64-1	Acetone	ND	SCAL-E	ug/kg dry	4.4	8.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 13:47	BK

Sample Information

Client Sample ID: **SB-02 0-2** **York Sample ID:** **16E0537-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0537	EB15157B	Soil	May 10, 2016 3:00 pm	05/12/2016

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
107-02-8	Acrolein	ND		ug/kg dry	4.4	8.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 13:47	BK
107-13-1	Acrylonitrile	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 13:47	BK
71-43-2	Benzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 13:47	BK
74-97-5	Bromochloromethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 13:47	BK
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 13:47	BK
75-25-2	Bromoform	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 13:47	BK
74-83-9	Bromomethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 13:47	BK
75-15-0	Carbon disulfide	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 13:47	BK
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 13:47	BK
108-90-7	Chlorobenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 13:47	BK
75-00-3	Chloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 13:47	BK
67-66-3	Chloroform	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 13:47	BK
74-87-3	Chloromethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 13:47	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 13:47	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 13:47	BK
110-82-7	Cyclohexane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 13:47	BK
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 13:47	BK
74-95-3	Dibromomethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 13:47	BK
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 13:47	BK
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 13:47	BK
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 13:47	BK
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 13:47	BK
79-20-9	Methyl acetate	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 13:47	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 13:47	BK

Sample Information

Client Sample ID: **SB-02 0-2** **York Sample ID:** **16E0537-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0537	EB15157B	Soil	May 10, 2016 3:00 pm	05/12/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 13:47	BK
75-09-2	Methylene chloride	ND		ug/kg dry	4.4	8.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 13:47	BK
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 13:47	BK
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 13:47	BK
95-47-6	o-Xylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	05/16/2016 08:09	05/16/2016 13:47	BK
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.4	8.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	05/16/2016 08:09	05/16/2016 13:47	BK
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 13:47	BK
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 13:47	BK
100-42-5	Styrene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 13:47	BK
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	4.4	8.8	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 13:47	BK
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 13:47	BK
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 13:47	BK
108-88-3	Toluene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 13:47	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 13:47	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 13:47	BK
79-01-6	Trichloroethylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 13:47	BK
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 13:47	BK
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 13:47	BK
1330-20-7	Xylenes, Total	ND		ug/kg dry	6.6	13	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 13:47	BK

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*97.5 %*	*77-125*
2037-26-5	*Surrogate: Toluene-d8*	*96.2 %*	*85-120*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*97.5 %*	*76-130*

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Information

Client Sample ID: **SB-02 0-2** **York Sample ID:** **16E0537-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0537	EB15157B	Soil	May 10, 2016 3:00 pm	05/12/2016

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1'-Biphenyl	ND		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 20:18	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	94.0	188	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 20:18	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 20:18	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/16/2016 07:23	05/16/2016 20:18	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 20:18	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/16/2016 07:23	05/16/2016 20:18	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/16/2016 07:23	05/16/2016 20:18	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	94.0	188	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 20:18	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 20:18	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 20:18	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 20:18	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 20:18	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	94.0	188	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 20:18	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 20:18	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 20:18	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 20:18	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 20:18	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 20:18	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 20:18	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	94.0	188	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 20:18	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 20:18	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 20:18	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 20:18	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	94.0	188	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 20:18	SR

Sample Information

Client Sample ID: **SB-02 0-2** **York Sample ID:** **16E0537-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0537	EB15157B	Soil	May 10, 2016 3:00 pm	05/12/2016

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	94.0	188	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 20:18	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 20:18	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 20:18	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 20:18	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 20:18	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	94.0	188	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 20:18	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	94.0	188	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 20:18	SR
83-32-9	**Acenaphthene**	**66.1**	J	ug/kg dry	47.1	94.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 20:18	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 20:18	SR
98-86-2	Acetophenone	ND		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 20:18	SR
62-53-3	Aniline	ND		ug/kg dry	188	376	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 20:18	SR
120-12-7	**Anthracene**	**131**		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 20:18	SR
1912-24-9	Atrazine	ND		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 20:18	SR
100-52-7	Benzaldehyde	ND		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 20:18	SR
92-87-5	Benzidine	ND		ug/kg dry	188	376	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	05/16/2016 07:23	05/16/2016 20:18	SR
56-55-3	**Benzo(a)anthracene**	**310**	CCV-E	ug/kg dry	47.1	94.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 20:18	SR
50-32-8	**Benzo(a)pyrene**	**276**		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 20:18	SR
205-99-2	**Benzo(b)fluoranthene**	**141**		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 20:18	SR
191-24-2	**Benzo(g,h,i)perylene**	**171**	CCV-E	ug/kg dry	47.1	94.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 20:18	SR
207-08-9	**Benzo(k)fluoranthene**	**208**		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 20:18	SR
65-85-0	Benzoic acid	ND		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 20:18	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 20:18	SR
85-68-7	**Benzyl butyl phthalate**	**707**		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 20:18	SR

Sample Information

Client Sample ID: **SB-02 0-2** **York Sample ID:** **16E0537-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0537	EB15157B	Soil	May 10, 2016 3:00 pm	05/12/2016

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 20:18	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 20:18	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 20:18	SR
117-81-7	**Bis(2-ethylhexyl)phthalate**	**343**	CCV-E	ug/kg dry	47.1	94.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 20:18	SR
105-60-2	Caprolactam	ND		ug/kg dry	94.0	188	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 20:18	SR
86-74-8	**Carbazole**	**59.3**	J	ug/kg dry	47.1	94.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 20:18	SR
218-01-9	**Chrysene**	**293**		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 20:18	SR
53-70-3	**Dibenzo(a,h)anthracene**	**75.1**	CCV-E, J	ug/kg dry	47.1	94.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 20:18	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 20:18	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 20:18	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 20:18	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 20:18	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 20:18	SR
206-44-0	**Fluoranthene**	**648**		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 20:18	SR
86-73-7	Fluorene	ND		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 20:18	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 20:18	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 20:18	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 20:18	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 20:18	SR
193-39-5	**Indeno(1,2,3-cd)pyrene**	**165**	CCV-E	ug/kg dry	47.1	94.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 20:18	SR
78-59-1	Isophorone	ND		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 20:18	SR
91-20-3	Naphthalene	ND		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 20:18	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 20:18	SR

Sample Information

Client Sample ID: **SB-02 0-2** **York Sample ID:** **16E0537-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0537	EB15157B	Soil	May 10, 2016 3:00 pm	05/12/2016

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 20:18	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 20:18	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 20:18	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 20:18	SR
85-01-8	**Phenanthrene**	**515**		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 20:18	SR
108-95-2	Phenol	ND		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 20:18	SR
129-00-0	**Pyrene**	**506**		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/16/2016 20:18	SR

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*46.3 %*	*20-108*
4165-62-2	*Surrogate: Phenol-d5*	*53.6 %*	*23-114*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*45.5 %*	*22-108*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*50.6 %*	*21-113*
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*51.9 %*	*19-110*
1718-51-0	*Surrogate: Terphenyl-d14*	*42.0 %*	*24-116*

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	1.86	1.86	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2016 07:17	05/18/2016 18:25	AMC
72-55-9	4,4'-DDE	ND		ug/kg dry	1.86	1.86	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2016 07:17	05/18/2016 18:25	AMC
50-29-3	**4,4'-DDT**	**3.41**		ug/kg dry	1.86	1.86	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2016 07:17	05/18/2016 18:25	AMC
309-00-2	Aldrin	ND		ug/kg dry	1.86	1.86	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2016 07:17	05/18/2016 18:25	AMC
319-84-6	alpha-BHC	ND		ug/kg dry	1.86	1.86	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2016 07:17	05/18/2016 18:25	AMC
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.86	1.86	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/18/2016 07:17	05/18/2016 18:25	AMC
319-85-7	beta-BHC	ND		ug/kg dry	1.86	1.86	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2016 07:17	05/18/2016 18:25	AMC
57-74-9	Chlordane, total	ND		ug/kg dry	74.4	74.4	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2016 07:17	05/18/2016 18:25	AMC
319-86-8	delta-BHC	ND		ug/kg dry	1.86	1.86	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2016 07:17	05/18/2016 18:25	AMC

Sample Information

Client Sample ID: **SB-02 0-2** **York Sample ID:** **16E0537-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0537	EB15157B	Soil	May 10, 2016 3:00 pm	05/12/2016

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
60-57-1	Dieldrin	ND		ug/kg dry	1.86	1.86	5	EPA 8081B Certifications:	05/18/2016 07:17 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2016 18:25	AMC
959-98-8	Endosulfan I	ND		ug/kg dry	1.86	1.86	5	EPA 8081B Certifications:	05/18/2016 07:17 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2016 18:25	AMC
33213-65-9	Endosulfan II	ND		ug/kg dry	1.86	1.86	5	EPA 8081B Certifications:	05/18/2016 07:17 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2016 18:25	AMC
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.86	1.86	5	EPA 8081B Certifications:	05/18/2016 07:17 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2016 18:25	AMC
72-20-8	Endrin	ND		ug/kg dry	1.86	1.86	5	EPA 8081B Certifications:	05/18/2016 07:17 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2016 18:25	AMC
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.86	1.86	5	EPA 8081B Certifications:	05/18/2016 07:17 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2016 18:25	AMC
53494-70-5	Endrin ketone	ND		ug/kg dry	1.86	1.86	5	EPA 8081B Certifications:	05/18/2016 07:17 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2016 18:25	AMC
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.86	1.86	5	EPA 8081B Certifications:	05/18/2016 07:17 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2016 18:25	AMC
5566-34-7	gamma-Chlordane	ND		ug/kg dry	1.86	1.86	5	EPA 8081B Certifications:	05/18/2016 07:17 NELAC-NY10854,NJDEP	05/18/2016 18:25	AMC
76-44-8	Heptachlor	ND		ug/kg dry	1.86	1.86	5	EPA 8081B Certifications:	05/18/2016 07:17 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2016 18:25	AMC
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.86	1.86	5	EPA 8081B Certifications:	05/18/2016 07:17 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2016 18:25	AMC
72-43-5	Methoxychlor	ND		ug/kg dry	9.30	9.30	5	EPA 8081B Certifications:	05/18/2016 07:17 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2016 18:25	AMC
8001-35-2	Toxaphene	ND		ug/kg dry	94.1	94.1	5	EPA 8081B Certifications:	05/18/2016 07:17 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2016 18:25	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*64.7 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*86.6 %*	*30-140*

Polychlorinated Biphenyls (PCB)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0188	0.0188	1	EPA 8082A Certifications:	05/18/2016 07:17 NELAC-NY10854,CTDOH,NJDEP,PADEP	05/18/2016 15:51	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0188	0.0188	1	EPA 8082A Certifications:	05/18/2016 07:17 NELAC-NY10854,CTDOH,NJDEP,PADEP	05/18/2016 15:51	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0188	0.0188	1	EPA 8082A Certifications:	05/18/2016 07:17 NELAC-NY10854,CTDOH,NJDEP,PADEP	05/18/2016 15:51	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0188	0.0188	1	EPA 8082A Certifications:	05/18/2016 07:17 NELAC-NY10854,CTDOH,NJDEP,PADEP	05/18/2016 15:51	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0188	0.0188	1	EPA 8082A Certifications:	05/18/2016 07:17 NELAC-NY10854,CTDOH,NJDEP,PADEP	05/18/2016 15:51	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0188	0.0188	1	EPA 8082A Certifications:	05/18/2016 07:17 NELAC-NY10854,CTDOH,NJDEP,PADEP	05/18/2016 15:51	AMC

Sample Information

Client Sample ID: **SB-02 0-2** **York Sample ID:** **16E0537-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0537	EB15157B	Soil	May 10, 2016 3:00 pm	05/12/2016

Polychlorinated Biphenyls (PCB)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0188	0.0188	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/18/2016 07:17	05/18/2016 15:51	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0188	0.0188	1	EPA 8082A Certifications:	05/18/2016 07:17	05/18/2016 15:51	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*70.0 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*84.0 %*	*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**	**12000**		mg/kg dry	5.63	5.63	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 10:34	05/13/2016 22:01	ALD
7440-36-0	Antimony	ND		mg/kg dry	0.563	0.563	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 10:34	05/13/2016 22:01	ALD
7440-38-2	**Arsenic**	**4.69**		mg/kg dry	1.13	1.13	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 10:34	05/13/2016 22:01	ALD
7440-39-3	**Barium**	**104**		mg/kg dry	1.13	1.13	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 10:34	05/13/2016 22:01	ALD
7440-41-7	**Beryllium**	**0.425**		mg/kg dry	0.113	0.113	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 10:34	05/13/2016 22:01	ALD
7440-43-9	Cadmium	ND		mg/kg dry	0.338	0.338	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 10:34	05/13/2016 22:01	ALD
7440-70-2	**Calcium**	**9570**		mg/kg dry	0.563	5.63	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 10:34	05/13/2016 22:01	ALD
7440-47-3	**Chromium**	**19.2**		mg/kg dry	0.563	0.563	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 10:34	05/13/2016 22:01	ALD
7440-48-4	**Cobalt**	**8.95**		mg/kg dry	0.563	0.563	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 10:34	05/13/2016 22:01	ALD
7440-50-8	**Copper**	**27.9**		mg/kg dry	0.563	0.563	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 10:34	05/13/2016 22:01	ALD
7439-89-6	**Iron**	**44600**		mg/kg dry	2.25	2.25	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 10:34	05/13/2016 22:01	ALD
7439-92-1	**Lead**	**98.0**		mg/kg dry	0.338	0.338	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 10:34	05/13/2016 22:01	ALD
7439-95-4	**Magnesium**	**2630**		mg/kg dry	5.63	5.63	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 10:34	05/13/2016 22:01	ALD
7439-96-5	**Manganese**	**1630**		mg/kg dry	0.563	0.563	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 10:34	05/13/2016 22:01	ALD
7440-02-0	**Nickel**	**16.6**		mg/kg dry	0.563	0.563	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 10:34	05/13/2016 22:01	ALD

Sample Information

Client Sample ID: SB-02 0-2 **York Sample ID:** 16E0537-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0537	EB15157B	Soil	May 10, 2016 3:00 pm	05/12/2016

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-09-7	**Potassium**	**990**		mg/kg dry	5.63	5.63	1	EPA 6010C	05/13/2016 10:34	05/13/2016 22:01	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7782-49-2	**Selenium**	**5.43**		mg/kg dry	1.13	1.13	1	EPA 6010C	05/13/2016 10:34	05/13/2016 22:01	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-22-4	Silver	ND		mg/kg dry	0.563	0.563	1	EPA 6010C	05/13/2016 10:34	05/13/2016 22:01	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-23-5	**Sodium**	**164**		mg/kg dry	11.3	11.3	1	EPA 6010C	05/13/2016 10:34	05/13/2016 22:01	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
7440-28-0	Thallium	ND		mg/kg dry	1.13	1.13	1	EPA 6010C	05/13/2016 10:34	05/13/2016 22:01	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-62-2	**Vanadium**	**29.9**		mg/kg dry	1.13	1.13	1	EPA 6010C	05/13/2016 10:34	05/13/2016 22:01	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-66-6	**Zinc**	**76.9**		mg/kg dry	1.13	1.13	1	EPA 6010C	05/13/2016 10:34	05/13/2016 22:01	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.345**		mg/kg dry	0.0338	0.0338	1	EPA 7473	05/13/2016 06:30	05/13/2016 11:31	ALD
								Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**88.7**		%	0.100	0.100	1	SM 2540G	05/18/2016 13:51	05/18/2016 17:50	LAB
								Certifications: CTDOH			

Sample Information

Client Sample ID: SB-024-6 **York Sample ID:** 16E0537-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0537	EB15157B	Soil	May 10, 2016 3:00 pm	05/12/2016

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

Sample Information

Client Sample ID: **SB-024-6** **York Sample ID:** **16E0537-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0537	EB15157B	Soil	May 10, 2016 3:00 pm	05/12/2016

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	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 14:17	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 14:17	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 14:17	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 14:17	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 14:17	BK
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 14:17	BK
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 14:17	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 14:17	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 14:17	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 14:17	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 14:17	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 14:17	BK
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 14:17	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 14:17	BK
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 14:17	BK
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 14:17	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 14:17	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 14:17	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 14:17	BK
123-91-1	1,4-Dioxane	ND		ug/kg dry	56	110	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 14:17	BK
78-93-3	2-Butanone	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 14:17	BK
591-78-6	2-Hexanone	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 14:17	BK
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 14:17	BK

Sample Information

Client Sample ID: **SB-024-6** **York Sample ID:** **16E0537-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0537	EB15157B	Soil	May 10, 2016 3:00 pm	05/12/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	**Acetone**	**7.4**	CCV-E, SCAL-E, J	ug/kg dry	5.6	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 14:17	BK
107-02-8	Acrolein	ND		ug/kg dry	5.6	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 14:17	BK
107-13-1	Acrylonitrile	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 14:17	BK
71-43-2	Benzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 14:17	BK
74-97-5	Bromochloromethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 14:17	BK
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 14:17	BK
75-25-2	Bromoform	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 14:17	BK
74-83-9	Bromomethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 14:17	BK
75-15-0	Carbon disulfide	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 14:17	BK
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 14:17	BK
108-90-7	Chlorobenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 14:17	BK
75-00-3	Chloroethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 14:17	BK
67-66-3	Chloroform	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 14:17	BK
74-87-3	Chloromethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 14:17	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 14:17	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 14:17	BK
110-82-7	Cyclohexane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 14:17	BK
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 14:17	BK
74-95-3	Dibromomethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 14:17	BK
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 14:17	BK
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 14:17	BK
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 14:17	BK
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 14:17	BK

Sample Information

Client Sample ID: **SB-024-6** **York Sample ID:** **16E0537-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0537	EB15157B	Soil	May 10, 2016 3:00 pm	05/12/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-20-9	Methyl acetate	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 14:17	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 14:17	BK
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 14:17	BK
75-09-2	Methylene chloride	ND		ug/kg dry	5.6	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 14:17	BK
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 14:17	BK
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 14:17	BK
95-47-6	o-Xylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	05/16/2016 08:09	05/16/2016 14:17	BK
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.6	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	05/16/2016 08:09	05/16/2016 14:17	BK
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 14:17	BK
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 14:17	BK
100-42-5	Styrene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 14:17	BK
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	5.6	11	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 14:17	BK
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 14:17	BK
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 14:17	BK
108-88-3	Toluene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 14:17	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2016 08:09	05/16/2016 14:17	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 14:17	BK
79-01-6	Trichloroethylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 14:17	BK
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 14:17	BK
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 14:17	BK
1330-20-7	Xylenes, Total	ND		ug/kg dry	8.5	17	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 08:09	05/16/2016 14:17	BK

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*96.1 %*	*77-125*
2037-26-5	*Surrogate: Toluene-d8*	*96.9 %*	*85-120*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*97.2 %*	*76-130*

Sample Information

Client Sample ID: **SB-024-6** **York Sample ID:** **16E0537-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0537	EB15157B	Soil	May 10, 2016 3:00 pm	05/12/2016

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1'-Biphenyl	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/17/2016 17:45	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	93.4	187	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/17/2016 17:45	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/17/2016 17:45	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/16/2016 07:23	05/17/2016 17:45	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/17/2016 17:45	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/16/2016 07:23	05/17/2016 17:45	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/16/2016 07:23	05/17/2016 17:45	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	93.4	187	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/17/2016 17:45	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/17/2016 17:45	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/17/2016 17:45	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/17/2016 17:45	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/17/2016 17:45	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	93.4	187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/17/2016 17:45	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/17/2016 17:45	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/17/2016 17:45	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/17/2016 17:45	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/17/2016 17:45	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/17/2016 17:45	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/17/2016 17:45	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	93.4	187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/17/2016 17:45	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/17/2016 17:45	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/17/2016 17:45	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/17/2016 17:45	SR

Sample Information

Client Sample ID: **SB-024-6** **York Sample ID:** **16E0537-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0537	EB15157B	Soil	May 10, 2016 3:00 pm	05/12/2016

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
99-09-2	3-Nitroaniline	ND		ug/kg dry	93.4	187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/17/2016 17:45	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	93.4	187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/17/2016 17:45	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/17/2016 17:45	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/17/2016 17:45	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/17/2016 17:45	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/17/2016 17:45	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	93.4	187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/17/2016 17:45	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	93.4	187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/17/2016 17:45	SR
83-32-9	Acenaphthene	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/17/2016 17:45	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/17/2016 17:45	SR
98-86-2	Acetophenone	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/17/2016 17:45	SR
62-53-3	Aniline	ND		ug/kg dry	187	374	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/17/2016 17:45	SR
120-12-7	Anthracene	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/17/2016 17:45	SR
1912-24-9	Atrazine	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/17/2016 17:45	SR
100-52-7	Benzaldehyde	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/17/2016 17:45	SR
92-87-5	Benzidine	ND		ug/kg dry	187	374	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	05/16/2016 07:23	05/17/2016 17:45	SR
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/17/2016 17:45	SR
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/17/2016 17:45	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/17/2016 17:45	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/17/2016 17:45	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/17/2016 17:45	SR
65-85-0	Benzoic acid	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/17/2016 17:45	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/17/2016 17:45	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/17/2016 17:45	SR

Sample Information

Client Sample ID: SB-024-6 **York Sample ID:** 16E0537-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0537	EB15157B	Soil	May 10, 2016 3:00 pm	05/12/2016

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/17/2016 17:45	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/17/2016 17:45	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/17/2016 17:45	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/17/2016 17:45	SR
105-60-2	Caprolactam	ND		ug/kg dry	93.4	187	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/17/2016 17:45	SR
86-74-8	Carbazole	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/17/2016 17:45	SR
218-01-9	Chrysene	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/17/2016 17:45	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/17/2016 17:45	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/17/2016 17:45	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/17/2016 17:45	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/17/2016 17:45	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/17/2016 17:45	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/17/2016 17:45	SR
206-44-0	Fluoranthene	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/17/2016 17:45	SR
86-73-7	Fluorene	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/17/2016 17:45	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/17/2016 17:45	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/17/2016 17:45	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/17/2016 17:45	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/17/2016 17:45	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/17/2016 17:45	SR
78-59-1	Isophorone	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/17/2016 17:45	SR
91-20-3	Naphthalene	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/17/2016 17:45	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/17/2016 17:45	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/17/2016 17:45	SR

Sample Information

Client Sample ID: **SB-024-6** **York Sample ID:** **16E0537-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0537	EB15157B	Soil	May 10, 2016 3:00 pm	05/12/2016

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
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/17/2016 17:45	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/17/2016 17:45	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/17/2016 17:45	SR
85-01-8	Phenanthrene	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/17/2016 17:45	SR
108-95-2	Phenol	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/17/2016 17:45	SR
129-00-0	Pyrene	ND		ug/kg dry	46.8	93.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2016 07:23	05/17/2016 17:45	SR

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*53.6 %*	*20-108*
4165-62-2	*Surrogate: Phenol-d5*	*61.6 %*	*23-114*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*55.8 %*	*22-108*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*57.8 %*	*21-113*
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*52.5 %*	*19-110*
1718-51-0	*Surrogate: Terphenyl-d14*	*46.2 %*	*24-116*

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	1.85	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2016 07:17	05/18/2016 18:40	AMC
72-55-9	4,4'-DDE	ND		ug/kg dry	1.85	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2016 07:17	05/18/2016 18:40	AMC
50-29-3	**4,4'-DDT**	**3.30**		ug/kg dry	1.85	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2016 07:17	05/18/2016 18:40	AMC
309-00-2	Aldrin	ND		ug/kg dry	1.85	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2016 07:17	05/18/2016 18:40	AMC
319-84-6	alpha-BHC	ND		ug/kg dry	1.85	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2016 07:17	05/18/2016 18:40	AMC
5103-71-9	**alpha-Chlordane**	**9.58**		ug/kg dry	1.85	1.85	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/18/2016 07:17	05/18/2016 18:40	AMC
319-85-7	beta-BHC	ND		ug/kg dry	1.85	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2016 07:17	05/18/2016 18:40	AMC
57-74-9	**Chlordane, total**	**125**		ug/kg dry	73.9	73.9	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2016 07:17	05/18/2016 18:40	AMC
319-86-8	delta-BHC	ND		ug/kg dry	1.85	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2016 07:17	05/18/2016 18:40	AMC
60-57-1	**Dieldrin**	**1.89**		ug/kg dry	1.85	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2016 07:17	05/18/2016 18:40	AMC

Sample Information

Client Sample ID: **SB-024-6** **York Sample ID:** **16E0537-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0537	EB15157B	Soil	May 10, 2016 3:00 pm	05/12/2016

Pesticides, 8081 target list

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
959-98-8	Endosulfan I	ND		ug/kg dry	1.85	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2016 07:17	05/18/2016 18:40	AMC
33213-65-9	Endosulfan II	ND		ug/kg dry	1.85	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2016 07:17	05/18/2016 18:40	AMC
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.85	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2016 07:17	05/18/2016 18:40	AMC
72-20-8	Endrin	ND		ug/kg dry	1.85	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2016 07:17	05/18/2016 18:40	AMC
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.85	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2016 07:17	05/18/2016 18:40	AMC
53494-70-5	Endrin ketone	ND		ug/kg dry	1.85	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2016 07:17	05/18/2016 18:40	AMC
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.85	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2016 07:17	05/18/2016 18:40	AMC
5566-34-7	**gamma-Chlordane**	**5.74**		ug/kg dry	1.85	1.85	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/18/2016 07:17	05/18/2016 18:40	AMC
76-44-8	**Heptachlor**	**2.63**		ug/kg dry	1.85	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2016 07:17	05/18/2016 18:40	AMC
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.85	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2016 07:17	05/18/2016 18:40	AMC
72-43-5	Methoxychlor	ND		ug/kg dry	9.24	9.24	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2016 07:17	05/18/2016 18:40	AMC
8001-35-2	Toxaphene	ND		ug/kg dry	93.5	93.5	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2016 07:17	05/18/2016 18:40	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*66.6 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*90.7 %*	*30-140*

Polychlorinated Biphenyls (PCB)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0187	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/18/2016 07:17	05/18/2016 16:20	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0187	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/18/2016 07:17	05/18/2016 16:20	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0187	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/18/2016 07:17	05/18/2016 16:20	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0187	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/18/2016 07:17	05/18/2016 16:20	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0187	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/18/2016 07:17	05/18/2016 16:20	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0187	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/18/2016 07:17	05/18/2016 16:20	AMC

Sample Information

Client Sample ID: SB-024-6 **York Sample ID:** 16E0537-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0537	EB15157B	Soil	May 10, 2016 3:00 pm	05/12/2016

Polychlorinated Biphenyls (PCB)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0187	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/18/2016 07:17	05/18/2016 16:20	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0187	0.0187	1	EPA 8082A Certifications:	05/18/2016 07:17	05/18/2016 16:20	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*64.0 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*84.0 %*	*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**	**13500**		mg/kg dry	5.60	5.60	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 10:34	05/13/2016 22:05	ALD
7440-36-0	Antimony	ND		mg/kg dry	0.560	0.560	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 10:34	05/13/2016 22:05	ALD
7440-38-2	**Arsenic**	**4.14**		mg/kg dry	1.12	1.12	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 10:34	05/13/2016 22:05	ALD
7440-39-3	**Barium**	**50.8**		mg/kg dry	1.12	1.12	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 10:34	05/13/2016 22:05	ALD
7440-41-7	**Beryllium**	**0.412**		mg/kg dry	0.112	0.112	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 10:34	05/13/2016 22:05	ALD
7440-43-9	Cadmium	ND		mg/kg dry	0.336	0.336	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 10:34	05/13/2016 22:05	ALD
7440-70-2	**Calcium**	**3440**		mg/kg dry	0.560	5.60	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 10:34	05/13/2016 22:05	ALD
7440-47-3	**Chromium**	**23.2**		mg/kg dry	0.560	0.560	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 10:34	05/13/2016 22:05	ALD
7440-48-4	**Cobalt**	**9.00**		mg/kg dry	0.560	0.560	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 10:34	05/13/2016 22:05	ALD
7440-50-8	**Copper**	**19.7**		mg/kg dry	0.560	0.560	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 10:34	05/13/2016 22:05	ALD
7439-89-6	**Iron**	**26600**		mg/kg dry	2.24	2.24	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 10:34	05/13/2016 22:05	ALD
7439-92-1	**Lead**	**13.3**		mg/kg dry	0.336	0.336	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 10:34	05/13/2016 22:05	ALD
7439-95-4	**Magnesium**	**2810**		mg/kg dry	5.60	5.60	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 10:34	05/13/2016 22:05	ALD
7439-96-5	**Manganese**	**623**		mg/kg dry	0.560	0.560	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 10:34	05/13/2016 22:05	ALD
7440-02-0	**Nickel**	**19.3**		mg/kg dry	0.560	0.560	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 10:34	05/13/2016 22:05	ALD

Sample Information

Client Sample ID: **SB-024-6** **York Sample ID:** **16E0537-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0537	EB15157B	Soil	May 10, 2016 3:00 pm	05/12/2016

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-09-7	**Potassium**	**985**		mg/kg dry	5.60	5.60	1	EPA 6010C	05/13/2016 10:34	05/13/2016 22:05	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7782-49-2	**Selenium**	**3.14**		mg/kg dry	1.12	1.12	1	EPA 6010C	05/13/2016 10:34	05/13/2016 22:05	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-22-4	Silver	ND		mg/kg dry	0.560	0.560	1	EPA 6010C	05/13/2016 10:34	05/13/2016 22:05	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-23-5	**Sodium**	**130**		mg/kg dry	11.2	11.2	1	EPA 6010C	05/13/2016 10:34	05/13/2016 22:05	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
7440-28-0	Thallium	ND		mg/kg dry	1.12	1.12	1	EPA 6010C	05/13/2016 10:34	05/13/2016 22:05	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-62-2	**Vanadium**	**37.1**		mg/kg dry	1.12	1.12	1	EPA 6010C	05/13/2016 10:34	05/13/2016 22:05	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-66-6	**Zinc**	**39.7**		mg/kg dry	1.12	1.12	1	EPA 6010C	05/13/2016 10:34	05/13/2016 22:05	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0336	0.0336	1	EPA 7473	05/13/2016 06:30	05/13/2016 11:40	ALD
								Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**89.3**		%	0.100	0.100	1	SM 2540G	05/18/2016 13:51	05/18/2016 17:50	LAB
								Certifications: CTDOH			

Analytical Batch Summary

Batch ID: BE60658 **Preparation Method:** EPA 7473 soil **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
16E0537-01	SB-01 0-2	05/13/16
16E0537-02	SB-01 4-6	05/13/16
16E0537-03	SB-02 0-2	05/13/16
16E0537-04	SB-024-6	05/13/16
BE60658-BLK1	Blank	05/13/16
BE60658-SRM1	Reference	05/13/16

Batch ID: BE60697 **Preparation Method:** EPA 3050B **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
16E0537-01	SB-01 0-2	05/13/16
16E0537-02	SB-01 4-6	05/13/16
16E0537-03	SB-02 0-2	05/13/16
16E0537-04	SB-024-6	05/13/16
BE60697-BLK1	Blank	05/13/16
BE60697-SRM1	Reference	05/13/16

Batch ID: BE60740 **Preparation Method:** EPA 3550C **Prepared By:** TB

YORK Sample ID	Client Sample ID	Preparation Date
16E0537-01	SB-01 0-2	05/16/16
16E0537-02	SB-01 4-6	05/16/16
16E0537-03	SB-02 0-2	05/16/16
16E0537-04	SB-024-6	05/16/16
BE60740-BLK1	Blank	05/16/16
BE60740-BS1	LCS	05/16/16

Batch ID: BE60746 **Preparation Method:** EPA 5035A **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
16E0537-01	SB-01 0-2	05/16/16
16E0537-02	SB-01 4-6	05/16/16
16E0537-03	SB-02 0-2	05/16/16
16E0537-04	SB-024-6	05/16/16
BE60746-BLK1	Blank	05/16/16
BE60746-BS1	LCS	05/16/16
BE60746-BSD1	LCS Dup	05/16/16

Batch ID: BE60870 **Preparation Method:** EPA 3550C **Prepared By:** KNN

YORK Sample ID	Client Sample ID	Preparation Date
16E0537-01	SB-01 0-2	05/18/16
16E0537-01	SB-01 0-2	05/18/16

16E0537-02	SB-01 4-6	05/18/16
16E0537-02	SB-01 4-6	05/18/16
16E0537-03	SB-02 0-2	05/18/16
16E0537-03	SB-02 0-2	05/18/16
16E0537-04	SB-024-6	05/18/16
16E0537-04	SB-024-6	05/18/16
BE60870-BLK1	Blank	05/18/16
BE60870-BLK2	Blank	05/18/16
BE60870-BS1	LCS	05/18/16
BE60870-BS2	LCS	05/18/16
BE60870-BSD2	LCS Dup	05/18/16

Batch ID: BE60916 **Preparation Method:** % Solids Prep **Prepared By:** TJM

YORK Sample ID	Client Sample ID	Preparation Date
16E0537-01	SB-01 0-2	05/18/16
16E0537-02	SB-01 4-6	05/18/16
16E0537-03	SB-02 0-2	05/18/16
16E0537-04	SB-024-6	05/18/16

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 BE60746 - EPA 5035A											
Blank (BE60746-BLK1)								Prepared & Analyzed: 05/16/2016			
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg wet								
1,1,1-Trichloroethane	ND	5.0	"								
1,1,2,2-Tetrachloroethane	ND	5.0	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"								
1,1,2-Trichloroethane	ND	5.0	"								
1,1-Dichloroethane	ND	5.0	"								
1,1-Dichloroethylene	ND	5.0	"								
1,2,3-Trichlorobenzene	ND	5.0	"								
1,2,3-Trichloropropane	ND	5.0	"								
1,2,4-Trichlorobenzene	ND	5.0	"								
1,2,4-Trimethylbenzene	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	5.0	"								
1,2-Dibromoethane	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3,5-Trimethylbenzene	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
1,4-Dioxane	ND	100	"								
2-Butanone	ND	5.0	"								
2-Hexanone	ND	5.0	"								
4-Methyl-2-pentanone	ND	5.0	"								
Acetone	ND	10	"								
Acrolein	ND	10	"								
Acrylonitrile	ND	5.0	"								
Benzene	ND	5.0	"								
Bromochloromethane	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	"								
Cyclohexane	ND	5.0	"								
Dibromochloromethane	ND	5.0	"								
Dibromomethane	ND	5.0	"								
Dichlorodifluoromethane	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Hexachlorobutadiene	ND	5.0	"								
Isopropylbenzene	ND	5.0	"								
Methyl acetate	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								
Methylcyclohexane	ND	5.0	"								
Methylene chloride	ND	10	"								
n-Butylbenzene	ND	5.0	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE60746 - EPA 5035A											
Blank (BE60746-BLK1)							Prepared & Analyzed: 05/16/2016				
n-Propylbenzene	ND	5.0	ug/kg wet								
o-Xylene	ND	5.0	"								
p- & m- Xylenes	ND	10	"								
p-Isopropyltoluene	ND	5.0	"								
sec-Butylbenzene	ND	5.0	"								
Styrene	ND	5.0	"								
tert-Butyl alcohol (TBA)	ND	10	"								
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	"								
Surrogate: 1,2-Dichloroethane-d4	*46.7*		*ug/L*	*50.0*		*93.3*	*77-125*				
Surrogate: Toluene-d8	*50.0*		*"*	*50.0*		*100*	*85-120*				
Surrogate: p-Bromofluorobenzene	*47.6*		*"*	*50.0*		*95.1*	*76-130*				
LCS (BE60746-BS1)							Prepared & Analyzed: 05/16/2016				
1,1,1,2-Tetrachloroethane	50		ug/L	50.0		100	75-129				
1,1,1-Trichloroethane	57		"	50.0		113	71-137				
1,1,2,2-Tetrachloroethane	47		"	50.0		93.1	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	54		"	50.0		108	58-146				
1,1,2-Trichloroethane	48		"	50.0		95.2	83-123				
1,1-Dichloroethane	55		"	50.0		110	75-130				
1,1-Dichloroethylene	54		"	50.0		109	64-137				
1,2,3-Trichlorobenzene	56		"	50.0		112	81-140				
1,2,3-Trichloropropane	47		"	50.0		93.1	81-126				
1,2,4-Trichlorobenzene	58		"	50.0		116	80-141				
1,2,4-Trimethylbenzene	51		"	50.0		101	84-125				
1,2-Dibromo-3-chloropropane	39		"	50.0		78.8	74-142				
1,2-Dibromoethane	50		"	50.0		99.6	86-123				
1,2-Dichlorobenzene	53		"	50.0		105	85-122				
1,2-Dichloroethane	47		"	50.0		93.9	71-133				
1,2-Dichloropropane	49		"	50.0		98.6	81-122				
1,3,5-Trimethylbenzene	50		"	50.0		101	82-126				
1,3-Dichlorobenzene	55		"	50.0		110	84-124				
1,4-Dichlorobenzene	53		"	50.0		107	84-124				
1,4-Dioxane	880		"	1000		88.2	10-228				
2-Butanone	53		"	50.0		107	58-147				
2-Hexanone	43		"	50.0		85.1	70-139				
4-Methyl-2-pentanone	40		"	50.0		80.3	72-132				
Acetone	54		"	50.0		108	36-155				
Acrolein	64		"	50.0		128	10-238				
Acrylonitrile	50		"	50.0		99.2	66-141				
Benzene	58		"	50.0		115	77-127				
Bromochloromethane	51		"	50.0		102	74-129				
Bromodichloromethane	48		"	50.0		95.7	81-124				
Bromoform	52		"	50.0		105	80-136				
Bromomethane	54		"	50.0		108	32-177				

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 BE60746 - EPA 5035A											
LCS (BE60746-BS1)							Prepared & Analyzed: 05/16/2016				
Carbon disulfide	58		ug/L	50.0		116	10-136				
Carbon tetrachloride	54		"	50.0		108	66-143				
Chlorobenzene	51		"	50.0		102	86-120				
Chloroethane	57		"	50.0		114	51-142				
Chloroform	53		"	50.0		106	76-131				
Chloromethane	58		"	50.0		116	49-132				
cis-1,2-Dichloroethylene	58		"	50.0		116	74-132				
cis-1,3-Dichloropropylene	50		"	50.0		99.5	81-129				
Cyclohexane	48		"	50.0		96.1	70-130				
Dibromochloromethane	48		"	50.0		95.3	10-200				
Dibromomethane	49		"	50.0		97.3	83-124				
Dichlorodifluoromethane	65		"	50.0		130	28-158				
Ethyl Benzene	50		"	50.0		100	84-125				
Hexachlorobutadiene	56		"	50.0		111	83-133				
Isopropylbenzene	49		"	50.0		98.6	81-127				
Methyl acetate	43		"	50.0		86.7	41-143				
Methyl tert-butyl ether (MTBE)	50		"	50.0		99.8	74-131				
Methylcyclohexane	51		"	50.0		102	70-130				
Methylene chloride	47		"	50.0		94.5	57-141				
n-Butylbenzene	50		"	50.0		99.2	80-130				
n-Propylbenzene	48		"	50.0		97.0	74-136				
o-Xylene	46		"	50.0		92.2	83-123				
p- & m- Xylenes	95		"	100		95.1	82-128				
p-Isopropyltoluene	53		"	50.0		106	85-125				
sec-Butylbenzene	49		"	50.0		98.0	83-125				
Styrene	54		"	50.0		108	86-126				
tert-Butyl alcohol (TBA)	42		"	50.0		84.8	70-130				
tert-Butylbenzene	54		"	50.0		107	80-127				
Tetrachloroethylene	57		"	50.0		113	80-129				
Toluene	52		"	50.0		105	85-121				
trans-1,2-Dichloroethylene	53		"	50.0		107	72-132				
trans-1,3-Dichloropropylene	48		"	50.0		96.5	78-132				
Trichloroethylene	52		"	50.0		105	84-123				
Trichlorofluoromethane	52		"	50.0		104	62-140				
Vinyl Chloride	58		"	50.0		116	52-130				
Surrogate: 1,2-Dichloroethane-d4	*45.0*		*"*	*50.0*		*90.1*	*77-125*				
Surrogate: Toluene-d8	*48.0*		*"*	*50.0*		*96.0*	*85-120*				
Surrogate: p-Bromofluorobenzene	*53.8*		*"*	*50.0*		*108*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE60746 - EPA 5035A											
LCS Dup (BE60746-BSD1)							Prepared & Analyzed: 05/16/2016				
1,1,1,2-Tetrachloroethane	53		ug/L	50.0		105	75-129		4.65	30	
1,1,1-Trichloroethane	58		"	50.0		115	71-137		2.08	30	
1,1,2,2-Tetrachloroethane	48		"	50.0		95.4	79-129		2.50	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	56		"	50.0		111	58-146		3.27	30	
1,1,2-Trichloroethane	50		"	50.0		99.3	83-123		4.18	30	
1,1-Dichloroethane	57		"	50.0		114	75-130		3.67	30	
1,1-Dichloroethylene	55		"	50.0		110	64-137		1.17	30	
1,2,3-Trichlorobenzene	59		"	50.0		117	81-140		5.17	30	
1,2,3-Trichloropropane	46		"	50.0		91.2	81-126		2.08	30	
1,2,4-Trichlorobenzene	63		"	50.0		126	80-141		8.12	30	
1,2,4-Trimethylbenzene	52		"	50.0		103	84-125		1.97	30	
1,2-Dibromo-3-chloropropane	39		"	50.0		78.4	74-142		0.509	30	
1,2-Dibromoethane	50		"	50.0		101	86-123		1.32	30	
1,2-Dichlorobenzene	54		"	50.0		108	85-122		2.74	30	
1,2-Dichloroethane	49		"	50.0		98.6	71-133		4.80	30	
1,2-Dichloropropane	52		"	50.0		103	81-122		4.58	30	
1,3,5-Trimethylbenzene	50		"	50.0		101	82-126		0.179	30	
1,3-Dichlorobenzene	55		"	50.0		110	84-124		0.326	30	
1,4-Dichlorobenzene	55		"	50.0		111	84-124		3.65	30	
1,4-Dioxane	870		"	1000		86.9	10-228		1.51	30	
2-Butanone	49		"	50.0		98.7	58-147		8.05	30	
2-Hexanone	42		"	50.0		83.3	70-139		2.16	30	
4-Methyl-2-pentanone	41		"	50.0		81.4	72-132		1.31	30	
Acetone	42		"	50.0		84.5	36-155		24.2	30	
Acrolein	66		"	50.0		133	10-238		3.45	30	
Acrylonitrile	52		"	50.0		103	66-141		4.18	30	
Benzene	60		"	50.0		120	77-127		4.50	30	
Bromochloromethane	54		"	50.0		108	74-129		5.31	30	
Bromodichloromethane	50		"	50.0		99.6	81-124		3.93	30	
Bromoform	52		"	50.0		105	80-136		0.210	30	
Bromomethane	56		"	50.0		112	32-177		3.16	30	
Carbon disulfide	60		"	50.0		119	10-136		3.35	30	
Carbon tetrachloride	56		"	50.0		112	66-143		3.89	30	
Chlorobenzene	53		"	50.0		106	86-120		3.46	30	
Chloroethane	58		"	50.0		116	51-142		2.26	30	
Chloroform	56		"	50.0		112	76-131		5.18	30	
Chloromethane	59		"	50.0		118	49-132		1.45	30	
cis-1,2-Dichloroethylene	62		"	50.0		124	74-132		6.53	30	
cis-1,3-Dichloropropylene	52		"	50.0		103	81-129		3.82	30	
Cyclohexane	52		"	50.0		104	70-130		7.67	30	
Dibromochloromethane	51		"	50.0		101	10-200		5.89	30	
Dibromomethane	52		"	50.0		104	83-124		6.19	30	
Dichlorodifluoromethane	65		"	50.0		130	28-158		0.354	30	
Ethyl Benzene	51		"	50.0		101	84-125		1.07	30	
Hexachlorobutadiene	58		"	50.0		116	83-133		4.38	30	
Isopropylbenzene	50		"	50.0		100	81-127		1.71	30	
Methyl acetate	45		"	50.0		90.7	41-143		4.58	30	
Methyl tert-butyl ether (MTBE)	51		"	50.0		102	74-131		1.75	30	
Methylcyclohexane	52		"	50.0		104	70-130		1.61	30	
Methylene chloride	50		"	50.0		99.6	57-141		5.19	30	
n-Butylbenzene	50		"	50.0		99.9	80-130		0.763	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE60746 - EPA 5035A											
LCS Dup (BE60746-BSD1)							Prepared & Analyzed: 05/16/2016				
n-Propylbenzene	50		ug/L	50.0		99.2	74-136		2.24	30	
o-Xylene	49		"	50.0		97.1	83-123		5.20	30	
p- & m- Xylenes	98		"	100		97.9	82-128		2.88	30	
p-Isopropyltoluene	53		"	50.0		106	85-125		0.265	30	
sec-Butylbenzene	50		"	50.0		99.7	83-125		1.76	30	
Styrene	57		"	50.0		114	86-126		4.88	30	
tert-Butyl alcohol (TBA)	40		"	50.0		80.3	70-130		5.50	30	
tert-Butylbenzene	54		"	50.0		108	80-127		0.149	30	
Tetrachloroethylene	59		"	50.0		117	80-129		3.48	30	
Toluene	54		"	50.0		107	85-121		2.19	30	
trans-1,2-Dichloroethylene	55		"	50.0		110	72-132		3.22	30	
trans-1,3-Dichloropropylene	48		"	50.0		96.7	78-132		0.290	30	
Trichloroethylene	55		"	50.0		110	84-123		4.49	30	
Trichlorofluoromethane	53		"	50.0		105	62-140		0.535	30	
Vinyl Chloride	60		"	50.0		120	52-130		3.44	30	
Surrogate: 1,2-Dichloroethane-d4	*45.2*		*"*	*50.0*		*90.4*	*77-125*				
Surrogate: Toluene-d8	*47.8*		*"*	*50.0*		*95.6*	*85-120*				
Surrogate: p-Bromofluorobenzene	*53.6*		*"*	*50.0*		*107*	*76-130*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE60740 - EPA 3550C											
Blank (BE60740-BLK1)								Prepared & Analyzed: 05/16/2016			
1,1'-Biphenyl	ND	41.7	ug/kg wet								
1,2,4,5-Tetrachlorobenzene	ND	83.3	"								
1,2,4-Trichlorobenzene	ND	41.7	"								
1,2-Dichlorobenzene	ND	41.7	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	41.7	"								
1,3-Dichlorobenzene	ND	41.7	"								
1,4-Dichlorobenzene	ND	41.7	"								
2,3,4,6-Tetrachlorophenol	ND	83.3	"								
2,4,5-Trichlorophenol	ND	41.7	"								
2,4,6-Trichlorophenol	ND	41.7	"								
2,4-Dichlorophenol	ND	41.7	"								
2,4-Dimethylphenol	ND	41.7	"								
2,4-Dinitrophenol	ND	83.3	"								
2,4-Dinitrotoluene	ND	41.7	"								
2,6-Dinitrotoluene	ND	41.7	"								
2-Chloronaphthalene	ND	41.7	"								
2-Chlorophenol	ND	41.7	"								
2-Methylnaphthalene	ND	41.7	"								
2-Methylphenol	ND	41.7	"								
2-Nitroaniline	ND	83.3	"								
2-Nitrophenol	ND	41.7	"								
3- & 4-Methylphenols	ND	41.7	"								
3,3'-Dichlorobenzidine	ND	41.7	"								
3-Nitroaniline	ND	83.3	"								
4,6-Dinitro-2-methylphenol	ND	83.3	"								
4-Bromophenyl phenyl ether	ND	41.7	"								
4-Chloro-3-methylphenol	ND	41.7	"								
4-Chloroaniline	ND	41.7	"								
4-Chlorophenyl phenyl ether	ND	41.7	"								
4-Nitroaniline	ND	83.3	"								
4-Nitrophenol	ND	83.3	"								
Acenaphthene	ND	41.7	"								
Acenaphthylene	ND	41.7	"								
Acetophenone	ND	41.7	"								
Aniline	ND	167	"								
Anthracene	ND	41.7	"								
Atrazine	ND	41.7	"								
Benzaldehyde	ND	41.7	"								
Benzidine	ND	167	"								
Benzo(a)anthracene	ND	41.7	"								
Benzo(a)pyrene	ND	41.7	"								
Benzo(b)fluoranthene	ND	41.7	"								
Benzo(g,h,i)perylene	ND	41.7	"								
Benzo(k)fluoranthene	ND	41.7	"								
Benzoic acid	ND	41.7	"								
Benzyl alcohol	ND	41.7	"								
Benzyl butyl phthalate	ND	41.7	"								
Bis(2-chloroethoxy)methane	ND	41.7	"								
Bis(2-chloroethyl)ether	ND	41.7	"								
Bis(2-chloroisopropyl)ether	ND	41.7	"								
Bis(2-ethylhexyl)phthalate	ND	41.7	"								

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 BE60740 - EPA 3550C											
Blank (BE60740-BLK1)								Prepared & Analyzed: 05/16/2016			
Caprolactam	ND	83.3	ug/kg wet								
Carbazole	ND	41.7	"								
Chrysene	ND	41.7	"								
Dibenzo(a,h)anthracene	ND	41.7	"								
Dibenzofuran	ND	41.7	"								
Diethyl phthalate	ND	41.7	"								
Dimethyl phthalate	ND	41.7	"								
Di-n-butyl phthalate	ND	41.7	"								
Di-n-octyl phthalate	ND	41.7	"								
Fluoranthene	ND	41.7	"								
Fluorene	ND	41.7	"								
Hexachlorobenzene	ND	41.7	"								
Hexachlorobutadiene	ND	41.7	"								
Hexachlorocyclopentadiene	ND	41.7	"								
Hexachloroethane	ND	41.7	"								
Indeno(1,2,3-cd)pyrene	ND	41.7	"								
Isophorone	ND	41.7	"								
Naphthalene	ND	41.7	"								
Nitrobenzene	ND	41.7	"								
N-Nitrosodimethylamine	ND	41.7	"								
N-nitroso-di-n-propylamine	ND	41.7	"								
N-Nitrosodiphenylamine	ND	41.7	"								
Pentachlorophenol	ND	41.7	"								
Phenanthrene	ND	41.7	"								
Phenol	ND	41.7	"								
Pyrene	ND	41.7	"								
Surrogate: 2-Fluorophenol	*1590*		*"*	*2510*		*63.4*	*20-108*				
Surrogate: Phenol-d5	*1760*		*"*	*2510*		*70.1*	*23-114*				
Surrogate: Nitrobenzene-d5	*1050*		*"*	*1680*		*62.8*	*22-108*				
Surrogate: 2-Fluorobiphenyl	*960*		*"*	*1670*		*57.6*	*21-113*				
Surrogate: 2,4,6-Tribromophenol	*1300*		*"*	*2510*		*51.8*	*19-110*				
Surrogate: Terphenyl-d14	*755*		*"*	*1680*		*45.0*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE60740 - EPA 3550C											
LCS (BE60740-BS1)							Prepared & Analyzed: 05/16/2016				
1,1'-Biphenyl	913	41.7	ug/kg wet				22-103				
1,2,4,5-Tetrachlorobenzene	919	83.3	"	1670		55.1	10-144				
1,2,4-Trichlorobenzene	868	41.7	"	1670		52.1	23-130				
1,2-Dichlorobenzene	985	41.7	"	1670		59.1	26-113				
1,2-Diphenylhydrazine (as Azobenzene)	997	41.7	"	1670		59.8	10-140				
1,3-Dichlorobenzene	1030	41.7	"	1670		61.5	32-113				
1,4-Dichlorobenzene	978	41.7	"	1670		58.7	28-111				
2,3,4,6-Tetrachlorophenol	832	83.3	"	1670		49.9	30-130				
2,4,5-Trichlorophenol	844	41.7	"	1670		50.6	14-138				
2,4,6-Trichlorophenol	920	41.7	"	1670		55.2	27-122				
2,4-Dichlorophenol	945	41.7	"	1670		56.7	23-133				
2,4-Dimethylphenol	989	41.7	"	1670		59.3	15-131				
2,4-Dinitrophenol	1210	83.3	"	1670		72.6	10-149				
2,4-Dinitrotoluene	1170	41.7	"	1670		70.2	30-123				
2,6-Dinitrotoluene	1110	41.7	"	1670		66.4	30-125				
2-Chloronaphthalene	994	41.7	"	1670		59.7	22-115				
2-Chlorophenol	1010	41.7	"	1670		60.7	25-121				
2-Methylnaphthalene	1000	41.7	"	1670		60.0	16-127				
2-Methylphenol	961	41.7	"	1670		57.7	10-146				
2-Nitroaniline	1130	83.3	"	1670		68.0	24-126				
2-Nitrophenol	951	41.7	"	1670		57.1	17-129				
3- & 4-Methylphenols	1020	41.7	"	1670		61.4	20-109				
3,3'-Dichlorobenzidine	1300	41.7	"	1670		77.8	10-147				
3-Nitroaniline	1030	83.3	"	1670		62.0	23-123				
4,6-Dinitro-2-methylphenol	958	83.3	"	1670		57.5	10-149				
4-Bromophenyl phenyl ether	932	41.7	"	1670		55.9	30-138				
4-Chloro-3-methylphenol	995	41.7	"	1670		59.7	16-138				
4-Chloroaniline	865	41.7	"	1670		51.9	10-117				
4-Chlorophenyl phenyl ether	979	41.7	"	1670		58.8	18-132				
4-Nitroaniline	1210	83.3	"	1670		72.4	14-125				
4-Nitrophenol	883	83.3	"	1670		53.0	10-136				
Acenaphthene	1040	41.7	"	1670		62.4	17-124				
Acenaphthylene	941	41.7	"	1670		56.4	16-124				
Acetophenone	1070	41.7	"	1670		64.0	28-105				
Aniline	770	167	"	1670		46.2	10-111				
Anthracene	1020	41.7	"	1670		60.9	24-124				
Atrazine	921	41.7	"	1670		55.3	22-120				
Benzaldehyde	1020	41.7	"	1670		61.4	21-100				
Benzo(a)anthracene	875	41.7	"	1670		52.5	25-134				
Benzo(a)pyrene	1090	41.7	"	1670		65.6	29-144				
Benzo(b)fluoranthene	917	41.7	"	1670		55.0	20-151				
Benzo(g,h,i)perylene	1670	41.7	"	1670		100	10-153				
Benzo(k)fluoranthene	933	41.7	"	1670		56.0	10-148				
Benzoic acid	996	41.7	"	1670		59.8	10-116				
Benzyl alcohol	1110	41.7	"	1670		66.9	17-128				
Benzyl butyl phthalate	930	41.7	"	1670		55.8	10-132				
Bis(2-chloroethoxy)methane	1010	41.7	"	1670		60.8	10-129				
Bis(2-chloroethyl)ether	1020	41.7	"	1670		61.2	14-125				
Bis(2-chloroisopropyl)ether	1140	41.7	"	1670		68.3	14-122				
Bis(2-ethylhexyl)phthalate	968	41.7	"	1670		58.1	10-141				
Caprolactam	1000	83.3	"	1670		60.0	10-123				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE60740 - EPA 3550C											
LCS (BE60740-BS1)							Prepared & Analyzed: 05/16/2016				
Carbazole	1240	41.7	ug/kg wet	1670		74.7	31-120				
Chrysene	969	41.7	"	1670		58.1	24-116				
Dibenzo(a,h)anthracene	1560	41.7	"	1670		93.3	17-147				
Dibenzofuran	963	41.7	"	1670		57.8	23-123				
Diethyl phthalate	949	41.7	"	1670		56.9	23-122				
Dimethyl phthalate	1020	41.7	"	1670		61.2	28-127				
Di-n-butyl phthalate	993	41.7	"	1670		59.6	19-123				
Di-n-octyl phthalate	929	41.7	"	1670		55.8	10-132				
Fluoranthene	1050	41.7	"	1670		62.9	36-125				
Fluorene	1040	41.7	"	1670		62.7	16-130				
Hexachlorobenzene	846	41.7	"	1670		50.8	10-129				
Hexachlorobutadiene	791	41.7	"	1670		47.5	22-153				
Hexachlorocyclopentadiene	362	41.7	"	1670		21.7	10-134				
Hexachloroethane	1060	41.7	"	1670		63.3	20-112				
Indeno(1,2,3-cd)pyrene	1470	41.7	"	1670		88.0	10-155				
Isophorone	952	41.7	"	1670		57.1	14-131				
Naphthalene	974	41.7	"	1670		58.4	20-121				
Nitrobenzene	933	41.7	"	1670		56.0	20-121				
N-Nitrosodimethylamine	1020	41.7	"	1670		61.2	10-124				
N-nitroso-di-n-propylamine	1010	41.7	"	1670		60.9	21-119				
N-Nitrosodiphenylamine	1020	41.7	"	1670		61.4	10-163				
Pentachlorophenol	859	41.7	"	1670		51.6	10-143				
Phenanthrene	1040	41.7	"	1670		62.4	24-123				
Phenol	998	41.7	"	1670		59.9	15-123				
Pyrene	944	41.7	"	1670		56.6	24-132				
Surrogate: 2-Fluorophenol	*1530*		*"*	*2510*		*60.9*	*20-108*				
Surrogate: Phenol-d5	*1540*		*"*	*2510*		*61.3*	*23-114*				
Surrogate: Nitrobenzene-d5	*934*		*"*	*1680*		*55.7*	*22-108*				
Surrogate: 2-Fluorobiphenyl	*836*		*"*	*1670*		*50.1*	*21-113*				
Surrogate: 2,4,6-Tribromophenol	*1270*		*"*	*2510*		*50.7*	*30-130*				
Surrogate: Terphenyl-d14	*731*		*"*	*1680*		*43.6*	*24-116*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE60870 - EPA 3550C											
Blank (BE60870-BLK1)							Prepared & Analyzed: 05/18/2016				
4,4'-DDD	ND	0.330	ug/kg wet								
4,4'-DDE	ND	0.330	"								
4,4'-DDT	ND	0.330	"								
Aldrin	ND	0.330	"								
alpha-BHC	ND	0.330	"								
alpha-Chlordane	ND	0.330	"								
beta-BHC	ND	0.330	"								
Chlordane, total	ND	13.2	"								
delta-BHC	ND	0.330	"								
Dieldrin	ND	0.330	"								
Endosulfan I	ND	0.330	"								
Endosulfan II	ND	0.330	"								
Endosulfan sulfate	ND	0.330	"								
Endrin	ND	0.330	"								
Endrin aldehyde	ND	0.330	"								
Endrin ketone	ND	0.330	"								
gamma-BHC (Lindane)	ND	0.330	"								
gamma-Chlordane	ND	0.330	"								
Heptachlor	ND	0.330	"								
Heptachlor epoxide	ND	0.330	"								
Methoxychlor	ND	1.65	"								
Toxaphene	ND	16.7	"								
Surrogate: Tetrachloro-m-xylene	*67.6*		*"*	*66.7*		*101*	*30-140*				
Surrogate: Decachlorobiphenyl	*77.0*		*"*	*66.7*		*115*	*30-140*				
LCS (BE60870-BS1)							Prepared & Analyzed: 05/18/2016				
4,4'-DDD	42.3	0.330	ug/kg wet	33.3		127	40-140				
4,4'-DDE	43.2	0.330	"	33.3		130	40-140				
4,4'-DDT	33.3	0.330	"	33.3		100	40-140				
Aldrin	37.5	0.330	"	33.3		113	40-140				
alpha-BHC	42.6	0.330	"	33.3		128	40-140				
alpha-Chlordane	39.2	0.330	"	33.3		118	40-140				
beta-BHC	39.6	0.330	"	33.3		119	40-140				
delta-BHC	41.4	0.330	"	33.3		124	40-140				
Dieldrin	39.9	0.330	"	33.3		120	40-140				
Endosulfan I	38.6	0.330	"	33.3		116	40-140				
Endosulfan II	38.9	0.330	"	33.3		117	40-140				
Endosulfan sulfate	29.1	0.330	"	33.3		87.4	40-140				
Endrin	36.2	0.330	"	33.3		109	40-140				
Endrin aldehyde	34.0	0.330	"	33.3		102	40-140				
Endrin ketone	38.6	0.330	"	33.3		116	40-140				
gamma-BHC (Lindane)	41.7	0.330	"	33.3		125	40-140				
gamma-Chlordane	39.1	0.330	"	33.3		117	40-140				
Heptachlor	33.8	0.330	"	33.3		101	40-140				
Heptachlor epoxide	37.0	0.330	"	33.3		111	40-140				
Methoxychlor	33.6	1.65	"	33.3		101	40-140				
Surrogate: Tetrachloro-m-xylene	*70.1*		*"*	*66.7*		*105*	*30-140*				
Surrogate: Decachlorobiphenyl	*66.7*		*"*	*66.7*		*100*	*30-140*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch Y6E1909 - BE60578											
Performance Mix (Y6E1909-PEM1)							Prepared & Analyzed: 05/18/2016				
4,4'-DDD	1.45		ng/mL	0.00			0-200				
4,4'-DDE	0.276		"	0.00			0-200				
4,4'-DDT	125		"	200		62.6	0-200				
Endrin	84.6		"	100		84.6	0-200				
Endrin aldehyde	0.848		"	0.00			0-200				
Endrin ketone	6.36		"	0.00			0-200				
Performance Mix (Y6E1909-PEM2)							Prepared & Analyzed: 05/18/2016				
4,4'-DDD	4.24		ng/mL	0.00			0-200				
4,4'-DDE	0.630		"	0.00			0-200				
4,4'-DDT	125		"	200		62.6	0-200				
Endrin	90.2		"	100		90.2	0-200				
Endrin aldehyde	1.38		"	0.00			0-200				
Endrin ketone	9.45		"	0.00			0-200				

Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE60870 - EPA 3550C											
Blank (BE60870-BLK2)							Prepared & Analyzed: 05/18/2016				
Aroclor 1016	ND	0.0167	mg/kg wet								
Aroclor 1221	ND	0.0167	"								
Aroclor 1232	ND	0.0167	"								
Aroclor 1242	ND	0.0167	"								
Aroclor 1248	ND	0.0167	"								
Aroclor 1254	ND	0.0167	"								
Aroclor 1260	ND	0.0167	"								
Total PCBs	ND	0.0167	"								
Surrogate: Tetrachloro-m-xylene	*0.0617*		*"*	*0.0667*		*92.5*	*30-140*				
Surrogate: Decachlorobiphenyl	*0.0700*		*"*	*0.0667*		*105*	*30-140*				
LCS (BE60870-BS2)							Prepared & Analyzed: 05/18/2016				
Aroclor 1016	0.382	0.0167	mg/kg wet	0.333		114	40-130				
Aroclor 1260	0.396	0.0167	"	0.333		119	40-130				
Surrogate: Tetrachloro-m-xylene	*0.0577*		*"*	*0.0667*		*86.5*	*30-140*				
Surrogate: Decachlorobiphenyl	*0.0703*		*"*	*0.0667*		*106*	*30-140*				
LCS Dup (BE60870-BSD2)							Prepared & Analyzed: 05/18/2016				
Aroclor 1016	0.381	0.0167	mg/kg wet	0.333		114	40-130		0.262	25	
Aroclor 1260	0.390	0.0167	"	0.333		117	40-130		1.54	25	
Surrogate: Tetrachloro-m-xylene	*0.0593*		*"*	*0.0667*		*89.0*	*30-140*				
Surrogate: Decachlorobiphenyl	*0.0687*		*"*	*0.0667*		*103*	*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
Batch BE60697 - EPA 3050B											
Blank (BE60697-BLK1)								Prepared & Analyzed: 05/13/2016			
Aluminum	ND	5.00	mg/kg wet								
Antimony	ND	0.500	"								
Arsenic	ND	1.00	"								
Barium	ND	1.00	"								
Beryllium	ND	0.100	"								
Cadmium	ND	0.300	"								
Calcium	ND	5.00	"								
Chromium	ND	0.500	"								
Cobalt	ND	0.500	"								
Copper	ND	0.500	"								
Iron	ND	2.00	"								
Lead	ND	0.300	"								
Magnesium	ND	5.00	"								
Manganese	ND	0.500	"								
Nickel	ND	0.500	"								
Potassium	ND	5.00	"								
Selenium	ND	1.00	"								
Silver	ND	0.500	"								
Sodium	ND	10.0	"								
Thallium	ND	1.00	"								
Vanadium	ND	1.00	"								
Zinc	ND	1.00	"								
Reference (BE60697-SRM1)								Prepared & Analyzed: 05/13/2016			
Aluminum	8020	5.00	mg/kg wet	8060		99.6	38.9-160				
Antimony	90.2	0.500	"	94.0		95.9	22.8-257.5				
Arsenic	104	1.00	"	113		92.3	69.7-142.5				
Barium	152	1.00	"	155		97.8	72.9-127.1				
Beryllium	100	0.100	"	109		92.0	74.7-124.8				
Cadmium	62.7	0.300	"	67.5		92.9	73.2-126.8				
Calcium	5980	5.00	"	5850		102	73.7-126.5				
Chromium	157	0.500	"	164		95.8	70.7-129.9				
Cobalt	98.3	0.500	"	100		98.3	74.4-126				
Copper	127	0.500	"	128		99.4	75.2-125.8				
Iron	15900	2.00	"	15200		105	37.4-162.5				
Lead	80.5	0.300	"	90.1		89.3	70.1-129.9				
Magnesium	2790	5.00	"	2790		100	65.2-135.1				
Manganese	356	0.500	"	363		98.2	75.8-124.5				
Nickel	95.9	0.500	"	89.3		107	72-127.7				
Potassium	2710	5.00	"	2770		97.7	61.7-138.3				
Selenium	145	1.00	"	156		92.8	67.3-132.1				
Silver	47.1	0.500	"	52.6		89.6	66.7-133.5				
Sodium	732	10.0	"	686		107	55.8-144.2				
Thallium	86.1	1.00	"	116		74.2	67.4-131.9				
Vanadium	71.2	1.00	"	73.0		97.5	59.7-139.7				
Zinc	153	1.00	"	168		91.1	69-131.5				

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 BE60658 - EPA 7473 soil											
Blank (BE60658-BLK1)								Prepared & Analyzed: 05/13/2016			
Mercury	ND	0.0300	mg/kg wet								
Reference (BE60658-SRM1)								Prepared & Analyzed: 05/13/2016			
Mercury	7.2313		mg/kg	5.76		126	71.2-129				

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
16E0537-01	SB-01 0-2	40mL Vial with Stir Bar-Cool 4° C
16E0537-02	SB-01 4-6	40mL Vial with Stir Bar-Cool 4° C
16E0537-03	SB-02 0-2	40mL Vial with Stir Bar-Cool 4° C
16E0537-04	SB-024-6	40mL Vial with Stir Bar-Cool 4° C

Notes and Definitions

SCAL-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%).
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.
QCAL	This analyte is outside calibration QC limits due to 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.
IS-06	Internal standard perylene-d12 did not meet acceptance criteria. The sample was reanalyzed to confirm matrix interference. Compounds affected are: Benzo(g,h,i)perylene, Dibenzo(a,h)anthracene and Indeno(1,2,3-cd)pyrene.
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.

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

YORK ANALYTICAL LABORATORIES
120 RESEARCH DR.
STRATFORD, CT 06615
(203) 325-1371
FAX (203) 357-0166

Field Chain-of-Custody Record

NOTE: York's Std. Terms & Conditions are listed on the back side of this document. This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions.

York Project No. 16E0537

YOUR Information	Report to:	Invoice To:	Your Project ID	Turn-Around Time	Report/Deliverable Type
Company: ESI	SAME [X]	SAME [X]	EB15157B	RUSH-Same Day	Summary Report X
Address: 24 Davis Avenue	Name:	Name: Brenda		RUSH-Next Day	QA Report
Poughkeepsie, NY	Company:	Company:	Purchase Order #	RUSH-Two Day	CT RCP
Phone.: 845-452-1658	Address:	Address:	EB15157B.40	RUSH-Three Day	CT RCP DQA/DUE Pkg
Contact: Tyler Goodnough				RUSH-Four Day	NY ASP A Package
E-mail:	E-mail:	E-mail	Samples from CT__NY X NJ__	Standard (5-7day) X	NY ASP B Package
					NJDEP Reduced Deliv
					Excel
					NYSDEC EQuIS
					NJDEP SRP HazSite
					EQuIS
					GIS/KEY (std)
					YORK Regulatory Comp Excel compared to:
					OTHER:

Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

Samples Collected/Authorized By (Signature)

Tyler Goodnough
Name (printed)

Matrix Codes
S - soil
Other - specify(oil, etc.)
WW - wastewater
GW - groundwater
DW - drinking water
Air-A - ambient air
Air-SV - soil vapor

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.
624	Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part360-Routine
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part360-Baseline
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part360-Expanded No Dioxins/Furans
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part360-Expanded Full List
Halog.only	NJDEP list	App. IX	Chlordane	Indiv. Metals	Air TICs	NYCDEP Sewer
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM

Sample Identification	Date+Time Sampled	Matrix	Analysis Requested (List above includes common analysis)	Container Description
SB-01 0-2	5/10/2016	S	VOCs 8260, SVOCs 8270, Pest/PCBs, TAL metals	1xVOA kit, 1x8oz jar
SB-01 4-6	↓	↓	↓	↓
SB-02 0-2				
SB-02 4-6				

Comments:

Preservation (check all applicable): 4°C____ Frozen____ HCl____ MeOH____ HNO_3____ H_2SO_4____ NaOH____ ZnAc Ascorbic Acid Other

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Samples Relinquished By	Date/Time	Samples Received By	Date/Time	Temperature on Receipt
Arthur Clare	5/12/16	[illegible]	5-12-16 11:50	4.1 °C
Samples Relinquished By	Date/Time	Samples Received in LAB by	Date/Time	
		[illegible]	5/12/16-1530	

Technical Report

prepared for:

Ecosystems Strategies, Inc.
24 Davis Avenue
Poughkeepsie NY, 12603
Attention: Tyler Goodnough

Report Date: 05/17/2016
Client Project ID: EB15157B
York Project (SDG) No.: 16E0541

CT Cert. No. PH-0723 New Jersey Cert. No. CT-005 New York Cert. No. 10854 PA Cert. No. 68-04440

120 RESEARCH DRIVE STRATFORD, CT 06615 (203) 325-1371 FAX (203) 357-0166

Report Date: 05/17/2016
Client Project ID: EB15157B
York Project (SDG) No.: 16E0541

Ecosystems Strategies, Inc.
24 Davis Avenue
Poughkeepsie NY, 12603
Attention: Tyler Goodnough

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 May 12, 2016 and listed below. The project was identified as your project: **EB15157B**.

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.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
16E0541-01	SV-01	Soil Vapor	05/10/2016	05/12/2016
16E0541-02	SV-02	Soil Vapor	05/10/2016	05/12/2016
16E0541-03	SV-03	Soil Vapor	05/10/2016	05/12/2016

General Notes for York Project (SDG) No.: 16E0541

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: **Date:** 05/17/2016

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: **SV-01** **York Sample ID:** **16E0541-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0541	EB15157B	Soil Vapor	May 10, 2016 3:00 pm	05/12/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	17	17	24.83	EPA TO-15 Certifications:	05/16/2016 10:29	05/16/2016 20:42	LDS
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	14	14	24.83	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 20:42	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	17	17	24.83	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 20:42	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	19	19	24.83	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 20:42	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	14	14	24.83	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 20:42	LDS
75-34-3	1,1-Dichloroethane	ND		ug/m³	10	10	24.83	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 20:42	LDS
75-35-4	1,1-Dichloroethylene	ND		ug/m³	9.8	9.8	24.83	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 20:42	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	18	18	24.83	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 20:42	LDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	12	12	24.83	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 20:42	LDS
106-93-4	1,2-Dibromoethane	ND		ug/m³	19	19	24.83	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 20:42	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	15	15	24.83	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 20:42	LDS
107-06-2	1,2-Dichloroethane	ND		ug/m³	10	10	24.83	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 20:42	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m³	11	11	24.83	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 20:42	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	17	17	24.83	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 20:42	LDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	12	12	24.83	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 20:42	LDS
106-99-0	1,3-Butadiene	ND		ug/m³	16	16	24.83	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 20:42	LDS
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	15	15	24.83	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 20:42	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	11	11	24.83	EPA TO-15 Certifications:	05/16/2016 10:29	05/16/2016 20:42	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	15	15	24.83	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 20:42	LDS
123-91-1	1,4-Dioxane	ND		ug/m³	18	18	24.83	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 20:42	LDS
78-93-3	**2-Butanone**	**350**		ug/m³	7.3	7.3	24.83	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 20:42	LDS
591-78-6	*** 2-Hexanone**	**39**		ug/m³	20	20	24.83	EPA TO-15 Certifications:	05/16/2016 10:29	05/16/2016 20:42	LDS
107-05-1	3-Chloropropene	ND		ug/m³	39	39	24.83	EPA TO-15 Certifications: NELAC-NY10854	05/16/2016 10:29	05/16/2016 20:42	LDS

Sample Information

Client Sample ID: **SV-01** **York Sample ID:** **16E0541-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0541	EB15157B	Soil Vapor	May 10, 2016 3:00 pm	05/12/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	10	10	24.83	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 20:42	LDS
67-64-1	**Acetone**	**48**		ug/m³	12	12	24.83	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 20:42	LDS
107-13-1	Acrylonitrile	ND		ug/m³	5.4	5.4	24.83	EPA TO-15 Certifications: NELAC-NY10854	05/16/2016 10:29	05/16/2016 20:42	LDS
71-43-2	Benzene	ND		ug/m³	7.9	7.9	24.83	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 20:42	LDS
100-44-7	Benzyl chloride	ND		ug/m³	13	13	24.83	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 20:42	LDS
75-27-4	Bromodichloromethane	ND		ug/m³	17	17	24.83	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 20:42	LDS
75-25-2	Bromoform	ND		ug/m³	26	26	24.83	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 20:42	LDS
74-83-9	Bromomethane	ND		ug/m³	9.6	9.6	24.83	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 20:42	LDS
75-15-0	Carbon disulfide	ND		ug/m³	7.7	7.7	24.83	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 20:42	LDS
56-23-5	Carbon tetrachloride	ND		ug/m³	3.9	3.9	24.83	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 20:42	LDS
108-90-7	Chlorobenzene	ND		ug/m³	11	11	24.83	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 20:42	LDS
75-00-3	Chloroethane	ND		ug/m³	6.6	6.6	24.83	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 20:42	LDS
67-66-3	Chloroform	ND		ug/m³	12	12	24.83	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 20:42	LDS
74-87-3	Chloromethane	ND		ug/m³	5.1	5.1	24.83	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 20:42	LDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	9.8	9.8	24.83	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 20:42	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	11	11	24.83	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 20:42	LDS
110-82-7	Cyclohexane	ND		ug/m³	8.5	8.5	24.83	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 20:42	LDS
124-48-1	Dibromochloromethane	ND		ug/m³	21	21	24.83	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 20:42	LDS
75-71-8	Dichlorodifluoromethane	ND		ug/m³	12	12	24.83	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 20:42	LDS
141-78-6	* Ethyl acetate	ND		ug/m³	18	18	24.83	EPA TO-15 Certifications:	05/16/2016 10:29	05/16/2016 20:42	LDS
100-41-4	Ethyl Benzene	ND		ug/m³	11	11	24.83	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 20:42	LDS
87-68-3	Hexachlorobutadiene	ND		ug/m³	26	26	24.83	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 20:42	LDS
67-63-0	Isopropanol	ND		ug/m³	12	12	24.83	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 20:42	LDS
80-62-6	Methyl Methacrylate	ND		ug/m³	10	10	24.83	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 20:42	LDS

Sample Information

Client Sample ID: **SV-01** **York Sample ID:** **16E0541-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0541	EB15157B	Soil Vapor	May 10, 2016 3:00 pm	05/12/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	9.0	9.0	24.83	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 20:42	LDS
75-09-2	Methylene chloride	ND		ug/m³	17	17	24.83	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 20:42	LDS
142-82-5	n-Heptane	ND		ug/m³	10	10	24.83	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 20:42	LDS
110-54-3	**n-Hexane**	**26**		ug/m³	8.8	8.8	24.83	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 20:42	LDS
95-47-6	o-Xylene	ND		ug/m³	11	11	24.83	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 20:42	LDS
179601-23-1	p- & m- Xylenes	ND		ug/m³	22	22	24.83	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 20:42	LDS
622-96-8	* p-Ethyltoluene	ND		ug/m³	12	12	24.83	EPA TO-15 Certifications:	05/16/2016 10:29	05/16/2016 20:42	LDS
115-07-1	*** Propylene**	**34**		ug/m³	4.3	4.3	24.83	EPA TO-15 Certifications:	05/16/2016 10:29	05/16/2016 20:42	LDS
100-42-5	Styrene	ND		ug/m³	11	11	24.83	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 20:42	LDS
127-18-4	Tetrachloroethylene	ND		ug/m³	4.2	4.2	24.83	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 20:42	LDS
109-99-9	* Tetrahydrofuran	ND		ug/m³	15	15	24.83	EPA TO-15 Certifications:	05/16/2016 10:29	05/16/2016 20:42	LDS
108-88-3	**Toluene**	**12**		ug/m³	9.4	9.4	24.83	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 20:42	LDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	9.8	9.8	24.83	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 20:42	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	11	11	24.83	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 20:42	LDS
79-01-6	Trichloroethylene	ND		ug/m³	3.3	3.3	24.83	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 20:42	LDS
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m³	14	14	24.83	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 20:42	LDS
108-05-4	Vinyl acetate	ND		ug/m³	8.7	8.7	24.83	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 20:42	LDS
593-60-2	Vinyl bromide	ND		ug/m³	11	11	24.83	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 20:42	LDS
75-01-4	Vinyl Chloride	ND		ug/m³	6.3	6.3	24.83	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 20:42	LDS

	Surrogate Recoveries	Result	Acceptance Range
460-00-4	*Surrogate: p-Bromofluorobenzene*	*98.9 %*	*72-118*

Sample Information

Client Sample ID: **SV-02** **York Sample ID:** **16E0541-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0541	EB15157B	Soil Vapor	May 10, 2016 3:00 pm	05/12/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	12	12	16.8	EPA TO-15 Certifications:	05/16/2016 10:29	05/16/2016 21:31	LDS
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	9.2	9.2	16.8	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 21:31	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	12	12	16.8	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 21:31	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	13	13	16.8	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 21:31	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	9.2	9.2	16.8	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 21:31	LDS
75-34-3	1,1-Dichloroethane	ND		ug/m³	6.8	6.8	16.8	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 21:31	LDS
75-35-4	1,1-Dichloroethylene	ND		ug/m³	6.7	6.7	16.8	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 21:31	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	12	12	16.8	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 21:31	LDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	8.3	8.3	16.8	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 21:31	LDS
106-93-4	1,2-Dibromoethane	ND		ug/m³	13	13	16.8	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 21:31	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	10	10	16.8	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 21:31	LDS
107-06-2	1,2-Dichloroethane	ND		ug/m³	6.8	6.8	16.8	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 21:31	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m³	7.8	7.8	16.8	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 21:31	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	12	12	16.8	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 21:31	LDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	8.3	8.3	16.8	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 21:31	LDS
106-99-0	1,3-Butadiene	ND		ug/m³	11	11	16.8	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 21:31	LDS
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	10	10	16.8	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 21:31	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	7.8	7.8	16.8	EPA TO-15 Certifications:	05/16/2016 10:29	05/16/2016 21:31	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	10	10	16.8	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 21:31	LDS
123-91-1	1,4-Dioxane	ND		ug/m³	12	12	16.8	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 21:31	LDS
78-93-3	**2-Butanone**	**230**		ug/m³	5.0	5.0	16.8	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 21:31	LDS
591-78-6	*** 2-Hexanone**	**25**		ug/m³	14	14	16.8	EPA TO-15 Certifications:	05/16/2016 10:29	05/16/2016 21:31	LDS
107-05-1	3-Chloropropene	ND		ug/m³	26	26	16.8	EPA TO-15 Certifications: NELAC-NY10854	05/16/2016 10:29	05/16/2016 21:31	LDS

Sample Information

Client Sample ID: **SV-02** **York Sample ID:** **16E0541-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0541	EB15157B	Soil Vapor	May 10, 2016 3:00 pm	05/12/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	6.9	6.9	16.8	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 21:31	LDS
67-64-1	**Acetone**	**64**		ug/m³	8.0	8.0	16.8	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 21:31	LDS
107-13-1	Acrylonitrile	ND		ug/m³	3.6	3.6	16.8	EPA TO-15 Certifications: NELAC-NY10854	05/16/2016 10:29	05/16/2016 21:31	LDS
71-43-2	Benzene	ND		ug/m³	5.4	5.4	16.8	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 21:31	LDS
100-44-7	Benzyl chloride	ND		ug/m³	8.7	8.7	16.8	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 21:31	LDS
75-27-4	Bromodichloromethane	ND		ug/m³	11	11	16.8	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 21:31	LDS
75-25-2	Bromoform	ND		ug/m³	17	17	16.8	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 21:31	LDS
74-83-9	Bromomethane	ND		ug/m³	6.5	6.5	16.8	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 21:31	LDS
75-15-0	Carbon disulfide	ND		ug/m³	5.2	5.2	16.8	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 21:31	LDS
56-23-5	Carbon tetrachloride	ND		ug/m³	2.6	2.6	16.8	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 21:31	LDS
108-90-7	Chlorobenzene	ND		ug/m³	7.7	7.7	16.8	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 21:31	LDS
75-00-3	Chloroethane	ND		ug/m³	4.4	4.4	16.8	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 21:31	LDS
67-66-3	Chloroform	ND		ug/m³	8.2	8.2	16.8	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 21:31	LDS
74-87-3	Chloromethane	ND		ug/m³	3.5	3.5	16.8	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 21:31	LDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	6.7	6.7	16.8	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 21:31	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	7.6	7.6	16.8	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 21:31	LDS
110-82-7	Cyclohexane	ND		ug/m³	5.8	5.8	16.8	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 21:31	LDS
124-48-1	Dibromochloromethane	ND		ug/m³	14	14	16.8	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 21:31	LDS
75-71-8	Dichlorodifluoromethane	ND		ug/m³	8.3	8.3	16.8	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 21:31	LDS
141-78-6	* Ethyl acetate	ND		ug/m³	12	12	16.8	EPA TO-15 Certifications:	05/16/2016 10:29	05/16/2016 21:31	LDS
100-41-4	Ethyl Benzene	ND		ug/m³	7.3	7.3	16.8	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 21:31	LDS
87-68-3	Hexachlorobutadiene	ND		ug/m³	18	18	16.8	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 21:31	LDS
67-63-0	Isopropanol	ND		ug/m³	8.3	8.3	16.8	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 21:31	LDS
80-62-6	Methyl Methacrylate	ND		ug/m³	6.9	6.9	16.8	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 21:31	LDS

Sample Information

Client Sample ID: **SV-02** **York Sample ID:** **16E0541-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0541	EB15157B	Soil Vapor	May 10, 2016 3:00 pm	05/12/2016

Volatile Organics, EPA TO15 Full List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	6.1	6.1	16.8	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 21:31	LDS
75-09-2	**Methylene chloride**	**110**		ug/m³	12	12	16.8	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 21:31	LDS
142-82-5	n-Heptane	ND		ug/m³	6.9	6.9	16.8	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 21:31	LDS
110-54-3	**n-Hexane**	**79**		ug/m³	5.9	5.9	16.8	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 21:31	LDS
95-47-6	o-Xylene	ND		ug/m³	7.3	7.3	16.8	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 21:31	LDS
179601-23-1	p- & m- Xylenes	ND		ug/m³	15	15	16.8	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 21:31	LDS
622-96-8	* p-Ethyltoluene	ND		ug/m³	8.3	8.3	16.8	EPA TO-15 Certifications:	05/16/2016 10:29	05/16/2016 21:31	LDS
115-07-1	*** Propylene**	**23**		ug/m³	2.9	2.9	16.8	EPA TO-15 Certifications:	05/16/2016 10:29	05/16/2016 21:31	LDS
100-42-5	Styrene	ND		ug/m³	7.2	7.2	16.8	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 21:31	LDS
127-18-4	Tetrachloroethylene	ND		ug/m³	2.8	2.8	16.8	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 21:31	LDS
109-99-9	* Tetrahydrofuran	ND		ug/m³	9.9	9.9	16.8	EPA TO-15 Certifications:	05/16/2016 10:29	05/16/2016 21:31	LDS
108-88-3	Toluene	ND		ug/m³	6.3	6.3	16.8	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 21:31	LDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	6.7	6.7	16.8	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 21:31	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	7.6	7.6	16.8	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 21:31	LDS
79-01-6	Trichloroethylene	ND		ug/m³	2.3	2.3	16.8	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 21:31	LDS
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m³	9.4	9.4	16.8	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 21:31	LDS
108-05-4	Vinyl acetate	ND		ug/m³	5.9	5.9	16.8	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 21:31	LDS
593-60-2	Vinyl bromide	ND		ug/m³	7.3	7.3	16.8	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 21:31	LDS
75-01-4	Vinyl Chloride	ND		ug/m³	4.3	4.3	16.8	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/16/2016 21:31	LDS

Sample Information

Client Sample ID: **SV-03** **York Sample ID:** **16E0541-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0541	EB15157B	Soil Vapor	May 10, 2016 3:00 pm	05/12/2016

Sample Information

Client Sample ID: **SV-03** **York Sample ID:** **16E0541-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0541	EB15157B	Soil Vapor	May 10, 2016 3:00 pm	05/12/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	1.4	1.4	2.083	EPA TO-15 Certifications:	05/16/2016 10:29	05/17/2016 08:55	LDS
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	1.1	1.1	2.083	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/17/2016 08:55	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	1.4	1.4	2.083	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/17/2016 08:55	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	1.6	1.6	2.083	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/17/2016 08:55	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	1.1	1.1	2.083	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/17/2016 08:55	LDS
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.84	0.84	2.083	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/17/2016 08:55	LDS
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.83	0.83	2.083	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/17/2016 08:55	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	1.5	1.5	2.083	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/17/2016 08:55	LDS
95-63-6	**1,2,4-Trimethylbenzene**	**1.7**		ug/m³	1.0	1.0	2.083	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/17/2016 08:55	LDS
106-93-4	1,2-Dibromoethane	ND		ug/m³	1.6	1.6	2.083	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/17/2016 08:55	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	1.3	1.3	2.083	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/17/2016 08:55	LDS
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.84	0.84	2.083	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/17/2016 08:55	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.96	0.96	2.083	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/17/2016 08:55	LDS
76-14-2	**1,2-Dichlorotetrafluoroethane**	**9.2**		ug/m³	1.5	1.5	2.083	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/17/2016 08:55	LDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	1.0	1.0	2.083	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/17/2016 08:55	LDS
106-99-0	1,3-Butadiene	ND		ug/m³	1.4	1.4	2.083	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/17/2016 08:55	LDS
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	1.3	1.3	2.083	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/17/2016 08:55	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.96	0.96	2.083	EPA TO-15 Certifications:	05/16/2016 10:29	05/17/2016 08:55	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	1.3	1.3	2.083	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/17/2016 08:55	LDS
123-91-1	1,4-Dioxane	ND		ug/m³	1.5	1.5	2.083	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/17/2016 08:55	LDS
78-93-3	**2-Butanone**	**40**		ug/m³	0.61	0.61	2.083	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/17/2016 08:55	LDS
591-78-6	*** 2-Hexanone**	**4.8**		ug/m³	1.7	1.7	2.083	EPA TO-15 Certifications:	05/16/2016 10:29	05/17/2016 08:55	LDS
107-05-1	**3-Chloropropene**	**13**		ug/m³	3.3	3.3	2.083	EPA TO-15 Certifications: NELAC-NY10854	05/16/2016 10:29	05/17/2016 08:55	LDS

Sample Information

Client Sample ID: **SV-03** **York Sample ID:** **16E0541-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0541	EB15157B	Soil Vapor	May 10, 2016 3:00 pm	05/12/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	**4-Methyl-2-pentanone**	**2.0**		ug/m³	0.85	0.85	2.083	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/17/2016 08:55	LDS
67-64-1	**Acetone**	**28**		ug/m³	0.99	0.99	2.083	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/17/2016 08:55	LDS
107-13-1	Acrylonitrile	ND		ug/m³	0.45	0.45	2.083	EPA TO-15 Certifications: NELAC-NY10854	05/16/2016 10:29	05/17/2016 08:55	LDS
71-43-2	**Benzene**	**2.6**		ug/m³	0.67	0.67	2.083	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/17/2016 08:55	LDS
100-44-7	**Benzyl chloride**	**6.0**		ug/m³	1.1	1.1	2.083	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/17/2016 08:55	LDS
75-27-4	**Bromodichloromethane**	**4.7**		ug/m³	1.4	1.4	2.083	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/17/2016 08:55	LDS
75-25-2	Bromoform	ND		ug/m³	2.2	2.2	2.083	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/17/2016 08:55	LDS
74-83-9	Bromomethane	ND		ug/m³	0.81	0.81	2.083	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/17/2016 08:55	LDS
75-15-0	**Carbon disulfide**	**0.91**		ug/m³	0.65	0.65	2.083	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/17/2016 08:55	LDS
56-23-5	Carbon tetrachloride	ND		ug/m³	0.33	0.33	2.083	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/17/2016 08:55	LDS
108-90-7	Chlorobenzene	ND		ug/m³	0.96	0.96	2.083	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/17/2016 08:55	LDS
75-00-3	Chloroethane	ND		ug/m³	0.55	0.55	2.083	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/17/2016 08:55	LDS
67-66-3	Chloroform	ND		ug/m³	1.0	1.0	2.083	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/17/2016 08:55	LDS
74-87-3	**Chloromethane**	**2.9**		ug/m³	0.43	0.43	2.083	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/17/2016 08:55	LDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.83	0.83	2.083	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/17/2016 08:55	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.95	0.95	2.083	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/17/2016 08:55	LDS
110-82-7	**Cyclohexane**	**2.7**		ug/m³	0.72	0.72	2.083	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/17/2016 08:55	LDS
124-48-1	Dibromochloromethane	ND		ug/m³	1.8	1.8	2.083	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/17/2016 08:55	LDS
75-71-8	**Dichlorodifluoromethane**	**6.5**		ug/m³	1.0	1.0	2.083	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/17/2016 08:55	LDS
141-78-6	* Ethyl acetate	ND		ug/m³	1.5	1.5	2.083	EPA TO-15 Certifications:	05/16/2016 10:29	05/17/2016 08:55	LDS
100-41-4	**Ethyl Benzene**	**1.5**		ug/m³	0.90	0.90	2.083	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/17/2016 08:55	LDS
87-68-3	Hexachlorobutadiene	ND		ug/m³	2.2	2.2	2.083	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/17/2016 08:55	LDS
67-63-0	**Isopropanol**	**2.6**		ug/m³	1.0	1.0	2.083	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/17/2016 08:55	LDS

Sample Information

Client Sample ID: **SV-03** **York Sample ID:** **16E0541-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0541	EB15157B	Soil Vapor	May 10, 2016 3:00 pm	05/12/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
80-62-6	Methyl Methacrylate	ND		ug/m³	0.85	0.85	2.083	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/17/2016 08:55	LDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.75	0.75	2.083	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/17/2016 08:55	LDS
75-09-2	**Methylene chloride**	**12**		ug/m³	1.4	1.4	2.083	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/17/2016 08:55	LDS
142-82-5	**n-Heptane**	**4.9**		ug/m³	0.85	0.85	2.083	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/17/2016 08:55	LDS
110-54-3	**n-Hexane**	**17**		ug/m³	0.73	0.73	2.083	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/17/2016 08:55	LDS
95-47-6	**o-Xylene**	**1.8**		ug/m³	0.90	0.90	2.083	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/17/2016 08:55	LDS
179601-23-1	**p- & m- Xylenes**	**4.9**		ug/m³	1.8	1.8	2.083	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/17/2016 08:55	LDS
622-96-8	*** p-Ethyltoluene**	**1.8**		ug/m³	1.0	1.0	2.083	EPA TO-15 Certifications:	05/16/2016 10:29	05/17/2016 08:55	LDS
115-07-1	*** Propylene**	**9.3**		ug/m³	0.36	0.36	2.083	EPA TO-15 Certifications:	05/16/2016 10:29	05/17/2016 08:55	LDS
100-42-5	Styrene	ND		ug/m³	0.89	0.89	2.083	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/17/2016 08:55	LDS
127-18-4	Tetrachloroethylene	ND		ug/m³	0.35	0.35	2.083	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/17/2016 08:55	LDS
109-99-9	*** Tetrahydrofuran**	**2.2**		ug/m³	1.2	1.2	2.083	EPA TO-15 Certifications:	05/16/2016 10:29	05/17/2016 08:55	LDS
108-88-3	**Toluene**	**10**		ug/m³	0.78	0.78	2.083	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/17/2016 08:55	LDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.83	0.83	2.083	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/17/2016 08:55	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.95	0.95	2.083	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/17/2016 08:55	LDS
79-01-6	Trichloroethylene	ND		ug/m³	0.28	0.28	2.083	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/17/2016 08:55	LDS
75-69-4	**Trichlorofluoromethane (Freon 11)**	**5.1**		ug/m³	1.2	1.2	2.083	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/17/2016 08:55	LDS
108-05-4	**Vinyl acetate**	**6.6**		ug/m³	0.73	0.73	2.083	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/17/2016 08:55	LDS
593-60-2	Vinyl bromide	ND		ug/m³	0.91	0.91	2.083	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/17/2016 08:55	LDS
75-01-4	Vinyl Chloride	ND		ug/m³	0.53	0.53	2.083	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/16/2016 10:29	05/17/2016 08:55	LDS

Analytical Batch Summary

Batch ID: BE60757 **Preparation Method:** EPA TO15 PREP **Prepared By:** LDS

YORK Sample ID	Client Sample ID	Preparation Date
16E0541-01	SV-01	05/16/16
16E0541-02	SV-02	05/16/16
16E0541-03	SV-03	05/16/16
BE60757-BLK1	Blank	05/16/16
BE60757-BS1	LCS	05/16/16

Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE60757 - EPA TO15 PREP											
Blank (BE60757-BLK1)								Prepared & Analyzed: 05/16/2016			
1,1,1,2-Tetrachloroethane	ND	0.69	ug/m³								
1,1,1-Trichloroethane	ND	0.55	"								
1,1,2,2-Tetrachloroethane	ND	0.69	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.77	"								
1,1,2-Trichloroethane	ND	0.55	"								
1,1-Dichloroethane	ND	0.40	"								
1,1-Dichloroethylene	ND	0.40	"								
1,2,4-Trichlorobenzene	ND	0.74	"								
1,2,4-Trimethylbenzene	ND	0.49	"								
1,2-Dibromoethane	ND	0.77	"								
1,2-Dichlorobenzene	ND	0.60	"								
1,2-Dichloroethane	ND	0.40	"								
1,2-Dichloropropane	ND	0.46	"								
1,2-Dichlorotetrafluoroethane	ND	0.70	"								
1,3,5-Trimethylbenzene	ND	0.49	"								
1,3-Butadiene	ND	0.66	"								
1,3-Dichlorobenzene	ND	0.60	"								
1,3-Dichloropropane	ND	0.46	"								
1,4-Dichlorobenzene	ND	0.60	"								
1,4-Dioxane	ND	0.72	"								
2-Butanone	ND	0.29	"								
2-Hexanone	ND	0.82	"								
3-Chloropropene	ND	1.6	"								
4-Methyl-2-pentanone	ND	0.41	"								
Acetone	ND	0.48	"								
Acrylonitrile	ND	0.22	"								
Benzene	ND	0.32	"								
Benzyl chloride	ND	0.52	"								
Bromodichloromethane	ND	0.67	"								
Bromoform	ND	1.0	"								
Bromomethane	ND	0.39	"								
Carbon disulfide	ND	0.31	"								
Carbon tetrachloride	ND	0.16	"								
Chlorobenzene	ND	0.46	"								
Chloroethane	ND	0.26	"								
Chloroform	ND	0.49	"								
Chloromethane	ND	0.21	"								
cis-1,2-Dichloroethylene	ND	0.40	"								
cis-1,3-Dichloropropylene	ND	0.45	"								
Cyclohexane	ND	0.34	"								
Dibromochloromethane	ND	0.85	"								
Dichlorodifluoromethane	ND	0.49	"								
Ethyl acetate	ND	0.72	"								
Ethyl Benzene	ND	0.43	"								
Hexachlorobutadiene	ND	1.1	"								
Isopropanol	ND	0.49	"								
Methyl Methacrylate	ND	0.41	"								
Methyl tert-butyl ether (MTBE)	ND	0.36	"								
Methylene chloride	ND	0.69	"								
n-Heptane	ND	0.41	"								
n-Hexane	ND	0.35	"								

Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE60757 - EPA TO15 PREP											
Blank (BE60757-BLK1)								Prepared & Analyzed: 05/16/2016			
o-Xylene	ND	0.43	ug/m³								
p- & m- Xylenes	ND	0.87	"								
p-Ethyltoluene	ND	0.49	"								
Propylene	ND	0.17	"								
Styrene	ND	0.43	"								
Tetrachloroethylene	ND	0.17	"								
Tetrahydrofuran	ND	0.59	"								
Toluene	ND	0.38	"								
trans-1,2-Dichloroethylene	ND	0.40	"								
trans-1,3-Dichloropropylene	ND	0.45	"								
Trichloroethylene	ND	0.13	"								
Trichlorofluoromethane (Freon 11)	ND	0.56	"								
Vinyl acetate	ND	0.35	"								
Vinyl bromide	ND	0.44	"								
Vinyl Chloride	ND	0.26	"								
Surrogate: p-Bromofluorobenzene	*9.58*		*ppbv*	*10.0*		*95.8*	*72-118*				
LCS (BE60757-BS1)								Prepared & Analyzed: 05/16/2016			
1,1,1,2-Tetrachloroethane	12.3		ppbv	10.0		123	82-126				
1,1,1-Trichloroethane	11.9		"	10.0		119	70-130				
1,1,2,2-Tetrachloroethane	11.7		"	10.0		117	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.4		"	10.0		114	70-130				
1,1,2-Trichloroethane	11.5		"	10.0		115	70-130				
1,1-Dichloroethane	11.4		"	10.0		114	70-130				
1,1-Dichloroethylene	11.9		"	10.0		119	70-130				
1,2,4-Trichlorobenzene	10.2		"	10.0		102	70-130				
1,2,4-Trimethylbenzene	13.2		"	10.0		132	70-130	High Bias			
1,2-Dibromoethane	12.3		"	10.0		123	70-130				
1,2-Dichlorobenzene	12.7		"	10.0		127	70-130				
1,2-Dichloroethane	11.6		"	10.0		116	70-130				
1,2-Dichloropropane	11.8		"	10.0		118	70-130				
1,2-Dichlorotetrafluoroethane	11.7		"	10.0		117	70-130				
1,3,5-Trimethylbenzene	12.7		"	10.0		127	70-130				
1,3-Butadiene	11.3		"	10.0		113	70-130				
1,3-Dichlorobenzene	12.6		"	10.0		126	70-130				
1,3-Dichloropropane	11.9		"	10.0		119	70-130				
1,4-Dichlorobenzene	13.1		"	10.0		131	70-130	High Bias			
1,4-Dioxane	18.2		"	10.0		182	70-130	High Bias			
2-Butanone	12.0		"	10.0		120	70-130				
2-Hexanone	12.5		"	10.0		125	70-130				
3-Chloropropene	12.4		"	10.0		124	70-130				
4-Methyl-2-pentanone	14.8		"	10.0		148	70-130	High Bias			
Acetone	10.0		"	10.0		100	70-130				
Acrylonitrile	11.9		"	10.0		119	70-130				
Benzene	11.4		"	10.0		114	70-130				
Benzyl chloride	10.4		"	10.0		104	70-130				
Bromodichloromethane	12.3		"	10.0		123	70-130				
Bromoform	12.6		"	10.0		126	70-130				
Bromomethane	10.6		"	10.0		106	70-130				
Carbon disulfide	11.8		"	10.0		118	70-130				
Carbon tetrachloride	12.2		"	10.0		122	70-130				
Chlorobenzene	11.3		"	10.0		113	70-130				

Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE60757 - EPA TO15 PREP											
LCS (BE60757-BS1)								Prepared & Analyzed: 05/16/2016			
Chloroethane	19.8		ppbv	10.0		198	70-130	High Bias			
Chloroform	11.3		"	10.0		113	70-130				
Chloromethane	11.2		"	10.0		112	70-130				
cis-1,2-Dichloroethylene	10.8		"	10.0		108	70-130				
cis-1,3-Dichloropropylene	13.0		"	10.0		130	70-130				
Cyclohexane	12.4		"	10.0		124	70-130				
Dibromochloromethane	12.8		"	10.0		128	70-130				
Dichlorodifluoromethane	11.8		"	10.0		118	70-130				
Ethyl acetate	11.9		"	10.0		119	70-130				
Ethyl Benzene	12.2		"	10.0		122	70-130				
Hexachlorobutadiene	13.3		"	10.0		133	70-130	High Bias			
Isopropanol	11.6		"	10.0		116	70-130				
Methyl Methacrylate	13.1		"	10.0		131	70-130	High Bias			
Methyl tert-butyl ether (MTBE)	12.7		"	10.0		127	70-130				
Methylene chloride	10.2		"	10.0		102	70-130				
n-Heptane	13.0		"	10.0		130	70-130				
n-Hexane	11.5		"	10.0		115	70-130				
o-Xylene	13.5		"	10.0		135	70-130	High Bias			
p- & m- Xylenes	25.0		"	20.0		125	70-130				
p-Ethyltoluene	13.1		"	10.0		131	70-130	High Bias			
Propylene	11.1		"	10.0		111	70-130				
Styrene	12.5		"	10.0		125	70-130				
Tetrachloroethylene	11.5		"	10.0		115	70-130				
Tetrahydrofuran	12.0		"	10.0		120	70-130				
Toluene	11.8		"	10.0		118	70-130				
trans-1,2-Dichloroethylene	11.7		"	10.0		117	70-130				
trans-1,3-Dichloropropylene	13.3		"	10.0		133	70-130	High Bias			
Trichloroethylene	11.9		"	10.0		119	70-130				
Trichlorofluoromethane (Freon 11)	11.7		"	10.0		117	70-130				
Vinyl acetate	12.8		"	10.0		128	70-130				
Vinyl bromide	11.8		"	10.0		118	70-130				
Vinyl Chloride	11.7		"	10.0		117	70-130				
Surrogate: p-Bromofluorobenzene	*10.4*		*"*	*10.0*		*104*	*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.

CCV-A The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>30% Difference for average Rf). This applies to dectected analytes only.

---

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

YORK
ANALYTICAL LABORATORIES, INC.
120 RESEARCH DR. STRATFORD, CT 06615
(203) 325-1371 FAX (203) 357-0166

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. 16EC541

YOUR Information	Report To:	Invoice To:	YOUR Project ID	Turn-Around Time	Report Type/Deliverables
Company: ESI	Company:	Company:	EB15157B	RUSH - Same Day ___	Summary Report X
Address: 24 Davis Avenue, Poughkeepsie, NY	Address:	Address:		RUSH - Next Day ___	Summary w/ QA Summary ___
Phone No: 845-452-1658	Phone No:	Phone No:	Purchase Order No. EB15157B.40	RUSH - Two Day ___	CT RCP Package ___
Contact Person: Tyler Goodnough	Attention: Tyler	Attention: Brenda		RUSH - Three Day ___	NY ASP A Package ___
E-Mail Address:	E-Mail Address:	E-Mail Address:	Samples from: CT___ NY X NJ___	RUSH - Four Day ___	NY ASP B/CLP Pkg ___
				Standard(5-7 Days) X	NJDEP Reduced ___
					Electronic Deliverables:
					EDD (Specify Type) ___
					Standard Excel ___
					Regulatory Comparison Excel ___

Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

Samples Collected/Authorized By (Signature): [signature]

Name (printed): Tyler Goodnough

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	EPA TO-14A List
NYSDEC VI list	Tentatively Identified Compounds
NYSDEC STARS List	Air VPH
Project Specific List by TO-15	Helium
NJDEP Target List	Methane
CTDEP RCP Target List	OTHER ___

Detection Limits Required

- ≤ 1 ug/m³ ___
- NYSDEC VI Limits X (VI vapor intrusion)
- NJDEP low level ___
- Routine Survey ___
- Other ___

Special Instructions

Sample Identification	Date Sampled	AIR Matrix	Canister Vacuum Before Sampling (in. Hg)	Canister Vacuum Afer Sampling (in. Hg)	Choose Analyses Needed from the Menu Above and Enter Below	Sampling Media
SV-01	5/10/16	AS	29.5	10	TO-15	6 Liter Summa canister X / Tedlar Bag ___
SV-02	↓	↓	30	6.5	↓	6 Liter Summa canister X / Tedlar Bag ___
SV-03	↓	↓	28	6	↓	6 Liter Summa canister X / 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

Samples Relinquished By	Date/Time	Samples Received By	Date/Time
[signature]	5/12/16	[signature]	5-12-16 11:50
Samples Relinquished By	Date/Time	Samples Received in LAB by	Date/Time
		[signature]	5-12-16 15:30