34-17 to 37-18 34th STREET

QUEENS, NEW YORK

Remedial Investigation Report

NYC VCP Site Number: TDB

OER Project Number: 15EH-A153Q

Prepared for:

37-14 34th Street Property, LLC

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Prepared by:

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FEBRUARY 2015

REMEDIAL INVESTIGATION REPORT

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LIST OF ACRONYMS

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

CERTIFICATION

I, William Silveri, 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 37-14 34th Street Site, (NYC VCP Site No. TBD and OER Project No. 15EH-A153Q). 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.

William Silveri

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 37-14 to 37-18 34th Street (aka 37-11 to 37-19 33rd Street) in the Long Island City section in Queens, New York and is identified as Block 375 and Lot 24 on the New York City Tax Map. Figure 1 shows the Site location. The Site consists of a 1-story occupied commercial office building encompassing the entire 19,500 square feet lot. The first phase of the proposed redevelopment of the Site is 6,750-square feet and consists of the entire garage area and a portion of the office building (which was inaccessible during the RI). The Site is bounded by a 2-story commercial building to the north, a 1-story commercial building to the south, 34th Street to the east, and 33rd to the west. A map of the site boundary is shown in Figure 2. Currently, the garage area of the first phase of the proposed redevelopment is currently being used as parking for the office and storage for building maintenance supplies, while the other portion of the redevelopment area is currently occupied by office space.

Summary of Proposed Redevelopment Plan

The first phase of the proposed redevelopment in the northwestern portion of the Site will consist of 6,750 square-feet, 7-story mixed-use residential and commercial building with full basement and a store front on 33rd Street. The first phase of the redevelopment is part of the existing larger building, which will remain an occupied 1-story commercial office building. The basement level will consist of parking space and a small mechanical room. Excavation will be required to a depth of approximately 14 ft. below grade for the basement level. The second phase of the proposed redevelopment will occupy the remainder of the site.

The proposed future use of the Site will consist of residential and commercial uses. Layout of the proposed site development is presented in Figure 3. The current zoning designation is M1-2 / R6A, denoting a mixture of residential and non-residential (commercial, community facility, light manufacturing) uses. The proposed use is or will be consistent with existing zoning for the property.

Summary of Past Uses of Site and Areas of Concern

Based upon the review of the Phase I Environmental Site Assessment (ESA) dated June 30, 2014 prepared by SAI Environmental Consultants (SAI), the Site history was established. The Site is approximately 6,750 square feet and consists of a parking garage area and storage for building maintenance. The Site is part of a large 1-story commercial building encompassing the entire lot, consisting of 19,500 square feet and developed in 1947 as a one story commercial building (warehouse and factory). Prior to 1947, the Site was occupied by residential buildings.

The AOCs identified for this site include:

1. The presence of tetrachloroethylene (PCE) and trichloroethylene (TCE) in soil vapor.

A map showing areas of concern is presented in Figure 4.

Summary of the Work Performed under the Remedial Investigation

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Performed a Ground Penetrating Radar (GPR) survey;
3. Installed three (3) soil borings at the northwestern portion of the Site and collected six (6) soil samples for chemical analysis from the soil borings to evaluate soil quality;
4. Installed two (2) groundwater monitoring wells at northwestern portion of the Site and collected two (2) groundwater samples for chemical analysis to evaluate groundwater quality;
5. Installed one (1) soil vapor probes at northwestern portion of the Site and collected one (1) soil vapor sample for chemical analysis.

Fieldwork was photo documented during the investigation. Photographs are found in Appendix B. One (1) additional soil boring / groundwater monitoring well and two (2) soil vapor probes will be installed and sampled during the future demolition/remediation phase of the proposed redevelopment of the Site.

Summary of Environmental Findings

1. Elevation of the property is approximately 31 feet.

2. Depth to groundwater ranges from 19.4 to 19.5 feet at the Site.

3. Groundwater flow could not be determined at the Site. Regional groundwater flow direction is estimated to be southwest.

4. Bedrock was not encountered at the Site during this RI.

5. The stratigraphy of the Site, from the surface down to 25 feet below grade, consisting of brown coarse to fine sand.

6. Six (6) soil samples collected during this RI were compared to 6NYCRR Part 375-6.8 Unrestricted Use (Track 1) and Restricted Residential Use (Track 2) Soil Cleanup Objectives (SCOs). VOCs, SVOCs, pesticides, and PCBs were not detected in any of the soil samples above their respective Unrestricted Use SCOs. Metals did not exceed their Unrestricted Use SCOs, with the exception of one analyte, selenium. In SB-3 in the shallow soil (zero to 2 foot interval), the concentration of selenium detected was 4 ppm, which only slightly exceeded its Unrestricted Use SCO of 3.9 ppm. Overall, the findings were consistent with observation for native material in the area throughout New York City.

7. Two (2) groundwater samples collected during this investigation were compared to NYSDEC 6NYCRR Part 703.5 Groundwater Quality Standards (GQS). SVOCs, pesticides, and PCBs were not detected in the groundwater samples above their respective GQS. Tetrachloroethylene (PCE) (max of 13 µg/L) was detected in both groundwater samples exceeding its respective GQS, while trichloroethane (TCE) (max of 5 µg/L) was detected in only one groundwater sample exceeding its GQS. Three dissolved metals, chromium hexavalent (max of 165 µg/L), magnesium (max of 37,900 µg/L), and sodium (max of 129,000 µg/L), exceeded their respective GQS standards in one groundwater sample, while sodium (max of 105,000 µg/L) also exceeding its GQS in its other groundwater sample.

8. A soil vapor sample was collected during the RI and was compared to the compounds listed in Table 3.1 Air Guideline Values Derived by the NYSDOH located in the New York State Department of Health (NYSDOH) Final Guidance for Evaluating Soil Vapor Intrusion. Soil vapor results indicated low levels of petroleum related compounds including BTEX (max of 95 $\mu g/m^3$) and elevated levels of chlorinated

compounds. Carbon tetrachloride was not detected in the soil vapor sample. Tetrachloroethylene (PCE) was detected at a high level with a concentration of 3,000 $\mu g/m^3$. Trichloroethylene (TCE) was detected at a concentration of 95 $\mu g/m^3$, and 1,1,1-trichloroethane (TCA) was detected at 40 $\mu g/m^3$. The detected concentration of PCE was above the mitigation level range established by NYSDOH.

REMEDIAL INVESTIGATION REPORT

1.0 SITE BACKGROUND

37-14 34th Street Property, LLC has applied to enroll in the New York City Voluntary Cleanup Program (NYC VCP) to investigate and remediate a 0.45-acre site located at 37-14 34th Street in Long Island City section of Queens, New York. Mixed-use residential and commercial use is proposed for the Site. The RI work was performed between January 14 and 15, 2014. This RIR summarizes the nature and extent of contamination and provides sufficient information for establishment of remedial action objectives, evaluation of remedial action alternatives, and selection of a remedy that is protective of human health and the environment consistent with the use of the property pursuant to RCNY§ 43-1407(f).

1.1 Site Location and Current Usage

The Site is located at 37-14 to 37-18 34th Street (aka 37-11 to 37-19 33rd Street) in the Long Island City section in Queens, New York and is identified as Block 375 and Lot 24 on the New York City Tax Map. Figure 1 shows the Site location. The Site consists of a 1-story occupied commercial office building encompassing the entire lot, which is 19,500 square feet. The first phase of the proposed redevelopment of the Site is 6,750-square feet and consists of the entire garage area and a portion of the office building (which was inaccessible during the RI). The Site is bounded by a 2-story commercial building to the north, a 1-story commercial building to the south, 34th Street to the east, and 33rd to the west. A map of the site boundary is shown in Figure 2. Currently, the garage area of the first phase of the proposed redevelopment is currently being used as parking for the office and storage for building maintenance supplies, while the other portion of the redevelopment area is currently occupied by office space.

1.2 Proposed Redevelopment Plan

The first phase of the proposed redevelopment in the northwestern portion of the Site will consist of 6,750 square-feet, 7-story mixed-use residential and commercial building with full basement and a store front on 33rd Street. The first phase of the redevelopment is part of a larger building, which will remain an occupied 1-story commercial office building. The basement level will consist of parking space and a small mechanical room. Excavation will be required to a

depth of approximately 14 ft. below grade for the basement level. The second phase of the proposed redevelopment will occupy the remainder of the site.

The proposed future use of the Site will consist of residential and commercial uses. Layout of the proposed site development is presented in Figure 3. The current zoning designation is M1-2 / R6A, denoting a mixture of residential and non-residential (commercial, community facility, light manufacturing) uses. The proposed use is or will be consistent with existing zoning for the property.

1.3 Description of Surrounding Property

The Site is located within a mixed-use residential and commercial area of Long Island City, New York. The Site is bounded by a 2-story commercial building to the north, a 1-story commercial building to the south, 34th Street to the east, and 33rd to the west. According to the OER Searchable Property Environmental E-Database (SPEED), there are no sensitive receptors (such as schools, hospitals, and day-care facilities) with 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 upon the review of the Phase I Environmental Site Assessment (ESA) dated June 30, 2014 prepared by SAI Environmental Consultants (SAI), the Site history was established. The Site is approximately 6,750 square feet and consists of a parking garage area and storage for building maintenance. The Site is part of a large 1-story commercial building encompassing the entire lot, consisting of 19,500 square feet and developed in 1947 as a one story commercial building (warehouse and factory). Prior to 1947, the Site was occupied by residential buildings.

2.2 Previous Investigations

The Phase I ESA, dated June 30, 2014 prepared by SAI Environmental Consultants (SAI), did not identify any recognized environmental conditions (RECs) at the Site.

2.3 Site Inspection

Mr. Ethan Rainey of Athenica Environmental Services performed a site inspection on September 18, 2014. The Site reconnaissance consisted of observing conditions throughout the accessible area of the Site and around the perimeter of the Site. At the date of the inspection, the Site consisted of the four commercial buildings.

2.4 Areas of Concern

The AOCs identified for this site include:

1. The presence of tetrachloroethylene (PCE) and trichloroethylene (TCE) in soil vapor.

Phase I ESA is 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 William Silveri.

3.2 Health and Safety

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

3.3 Materials Management

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

4.0 REMEDIAL INVESTIGATION ACTIVITIES

Athenica performed the following scope of work:

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Performed a Ground Penetrating Radar (GPR) survey;
3. Installed three (3) soil borings at the northwestern portion of the Site and collected six (6) soil samples for chemical analysis from the soil borings to evaluate soil quality;
4. Installed two (2) groundwater monitoring wells at northwestern portion of the Site and collected two (2) groundwater samples for chemical analysis to evaluate groundwater quality;
5. Installed one (1) soil vapor probes at northwestern portion of the Site and collected one (1) soil vapor sample for chemical analysis.

Fieldwork was photo documented during the investigation. Photographs are found in Appendix B. One (1) additional soil boring / groundwater monitoring well and two (2) soil vapor probes will be installed and sampled during the future demolition/remediation phase of the proposed redevelopment of the Site.

4.1 Geophysical Investigation

Athenica contracted Ground Penetrating Radar Systems (GPRS) to conduct a geophysical survey across the Site on January 14, 2015. The purpose of the GPR was to determine if any anomalies were present at the Site and to clear all sampling locations of any potential subsurface obstructions. GPRS utilized a 400 MHZ ground penetrating radar (GPR) instrument along transects approximately two feet apart. The survey was performed in all accessible portions of the Site. The geophysical survey did not identify any anomalies indicative of an underground storage tank (UST) at the Site. A copy of the geophysical survey report describing the methodologies and findings is included in Appendix C.

4.2 Borings and Monitoring Wells

Drilling and Soil Logging

A total of three (3) on-Site direct-push soil borings, designated as SB-1 through SB-3, were installed during the remedial investigation. SB-1 was installed to a depth of 25 feet bgs and SB-2 and SB-3 were installed to a depth of 15 feet bgs on January 14, 2015.

From each of the direct-push soil borings, soil samples were continuously collected from grade to the boring termination depth and screen for evidence of contamination utilizing field observations (odor and/or staining) and a photoionization detected (PID). A PID makes use of the principle of photoionization for the detections and qualitative measure of organic vapors. 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 the compound isobutylene, as published by the manufacturer. No staining or odors were identified in any of the borings.

Boring logs were prepared by a geologist and are attached in Appendix D. A map showing the location of soil borings is shown in Figure 5.

Groundwater Monitoring Well Construction

Two (2) temporary groundwater monitoring wells were installed to determine the groundwater quality beneath the Site. Two (2) 1-inch monitoring wells were installed on January 14, 2015. Both monitoring wells were installed to 25 feet bgs with 15 foot screen interval which intercepted the groundwater table at the approximate mid-point.

The monitoring well construction details are included in Appendix E. Monitoring well locations are shown in Figure 5.

Survey

Since only two (2) groundwater monitoring wells was installed during the remedial investigation, a survey could not be performed for the purpose of determining groundwater flow direction. The monitoring wells will be surveyed followed by the completion of the entire remedial investigation scope, which will include installation of a third groundwater monitoring well for the purpose of determining groundwater flow direction.

Water Level Measurement

Groundwater head measurements were collected a utilizing a Solinst® 122 Oil/Water Interface Probe (Interface Probe). The Interface Probe can measure depths to water to 0.01 inches. Groundwater was encountered at approximately 19.50 feet bgs.

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 six (6) soil samples were collected for chemical analysis during this RI. One (1) shallow sample and one (1) deep sample were collected from the three (3) soil borings. Data on soil sample collection for chemical analyses, including dates of collection and sample depths, is reported in Tables 1 through 4. Figure 5 shows the location of the soil samples collected in this investigation. Laboratories and analytical methods are shown below.

Soil samples were collected in pre-cleaned, laboratory supplied glassware, stored in a chilled cooler (4º C) and submitted for analysis. Soil samples were analyzed at New York State Department of Health ELAP-certified laboratories. Samples from SB-1 through SB-3 were analyzed for TCL VOCs, TCL SVOCs, pesticides, PCBs, TAL metals, chromium hexavalent and chromium trivalent. All samples were transmitted under proper chain of custody procedures to a State-certified (ELAP) laboratory for confirmatory laboratory analyses.

Groundwater Sampling

Two (2) groundwater samples were collected for chemical analysis during this RI and one (1) trip blank was collected during this RI. The groundwater monitoring well was gauged for groundwater and/or free product levels. Groundwater sample collection data is reported in Tables 5 through 9. Sampling logs with information on purging and sampling of groundwater monitor wells is included in Appendix E. Figure 5 shows the location of groundwater sampling.

Representative groundwater samples from the groundwater monitoring wells were collected utilizing low-flow purging and sampling methods. The groundwater monitoring well was purged until water quality parameters, such as turbidity, conductivity, pH, and dissolved oxygen, were stabilized (10 percent variations or less) over three consecutive measurements while draw-down during purging is kept to a minimum (0.3 feet or less). Groundwater samples were placed into laboratory-supplied glassware, immediately stored in an ice-filled cooler, and delivered with a chain-of-custody documentation to an ELAP certified and accredited laboratory. The groundwater samples collected during the RI was analyzed for TCL VOCs, TCL SVOCs, pesticides, PCBs, total and dissolved TAL metals, chromium hexavalent and chromium trivalent. Laboratories and analytical methods are shown below.

Soil Vapor Sampling

One (1) soil vapor probe was installed and one (1) soil vapor sample was collected for chemical analysis during this RI. Soil vapor sampling locations are shown in Figure 5. Soil vapor sample collection data is reported in Table 10. Soil vapor sampling logs are included in Appendix F. Methodologies used for soil vapor assessment conform to the *NYS DOH Final Guidance on Soil Vapor Intrusion, October 2006.*

Chemical Analysis

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

Factor	Description
Quality Assurance Officer	The chemical analytical quality assurance is directed by William Silveri.
Chemical Analytical	Chemical analytical laboratory(s) used in the RI is NYS ELAP

Laboratory	certified and is York Analytical.
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); Groundwater 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, groundwater and soil vapor are summarized in Table 1 through 10, respectively. Laboratory data deliverables for all samples evaluated in this RIR are provided in digital form in Appendices G through I.

5.0 ENVIRONMENTAL EVALUATION

5.1 Geological and Hydrogeological Conditions

Stratigraphy

The stratigraphy of the Site, from the surface down to 25 feet below grade, consists of brown coarse to fine sand.

Hydrogeology

The depth to groundwater beneath the Site ranges 19.4 to 19.5 ft. bgs. Groundwater flow could not be determined at the Site with the two installed groundwater monitoring wells. Regional groundwater flow direction is estimated to be southwest.

5.2 Soil Chemistry

Six (6) soil samples collected during this RI were compared to 6NYCRR Part 375-6.8 Unrestricted Use (Track 1) and Restricted Residential Use (Track 2) Soil Cleanup Objectives (SCOs). VOCs, SVOCs, pesticides, and PCBs were not detected in any of the soil samples above their respective Unrestricted Use SCOs. Metals did not exceed their Unrestricted Use SCOs, with the exception of one analyte, selenium. In SB-3 in the shallow soil (zero to 2 foot interval), the concentration of selenium detected was 4 ppm, which only slightly exceeded its Unrestricted Use SCO of 3.9 ppm. Overall, the findings were consistent with observation for native material in the area throughout New York City.

Data collected during the RI is sufficient to delineate the vertical and horizontal distribution of contaminants in soil/fill at the Site. A summary table of data for chemical analyses performed on soil samples is included in Tables 1 through Table 4. Figure 6 shows the location and posts the values for soil/fill that exceed the 6 NYCRR Part 375-6.8 Unrestricted Use Soil Cleanup Objectives.

5.3 Groundwater Chemistry

Two (2) groundwater samples collected during this investigation were compared to NYSDEC 6NYCRR Part 703.5 Groundwater Quality Standards (GQS). SVOCs, pesticides, and PCBs were not detected in the groundwater samples above their respective GQS. Tetrachloroethylene (PCE) (max of 13 µg/L) was detected in both groundwater samples exceeding its respective GQS, while trichloroethane (TCE) (max of 5 µg/L) was detected in only one groundwater sample exceeding its GQS. Three dissolved metals, chromium hexavalent

(max of 165 µg/L), magnesium (max of 37,900 µg/L), and sodium (max of 129,000 µg/L), exceeded their respective GQS standards in one groundwater sample, while sodium (max of 105,000 µg/L) also exceeding its GQS in its other groundwater sample.

A summary table of data for chemical analyses performed on groundwater samples is included in Tables 5 through Table 9. Exceedances of applicable groundwater standards are shown.

Figure 7 shows the location and posts the values for groundwater that exceed the New York State 6NYCRR Part 703.5 Class GA groundwater standards.

5.4 Soil Vapor Chemistry

A soil vapor sample was collected during the RI and was compared to the compounds listed in Table 3.1 Air Guideline Values Derived by the NYSDOH located in the New York State Department of Health (NYSDOH) Final Guidance for Evaluating Soil Vapor Intrusion. Soil vapor results indicated low levels of petroleum related compounds including BTEX (max of 95 $\mu g/m^3$) and elevated levels of chlorinated compounds. Carbon tetrachloride was not detected in the soil vapor sample. Tetrachloroethylene (PCE) was detected at a high level with a concentration of 3,000 $\mu g/m^3$. Trichloroethylene (TCE) was detected at a concentration of 95 $\mu g/m^3$, and 1,1,1-trichloroethane (TCA) was detected at 40 $\mu g/m^3$. The detected concentration of PCE was above the mitigation level range established by NYSDOH.

A summary table of data for chemical analyses performed on soil vapor samples is included in Table 10.

Figure 8 shows the location and posts the values for soil vapor samples with detected concentrations.

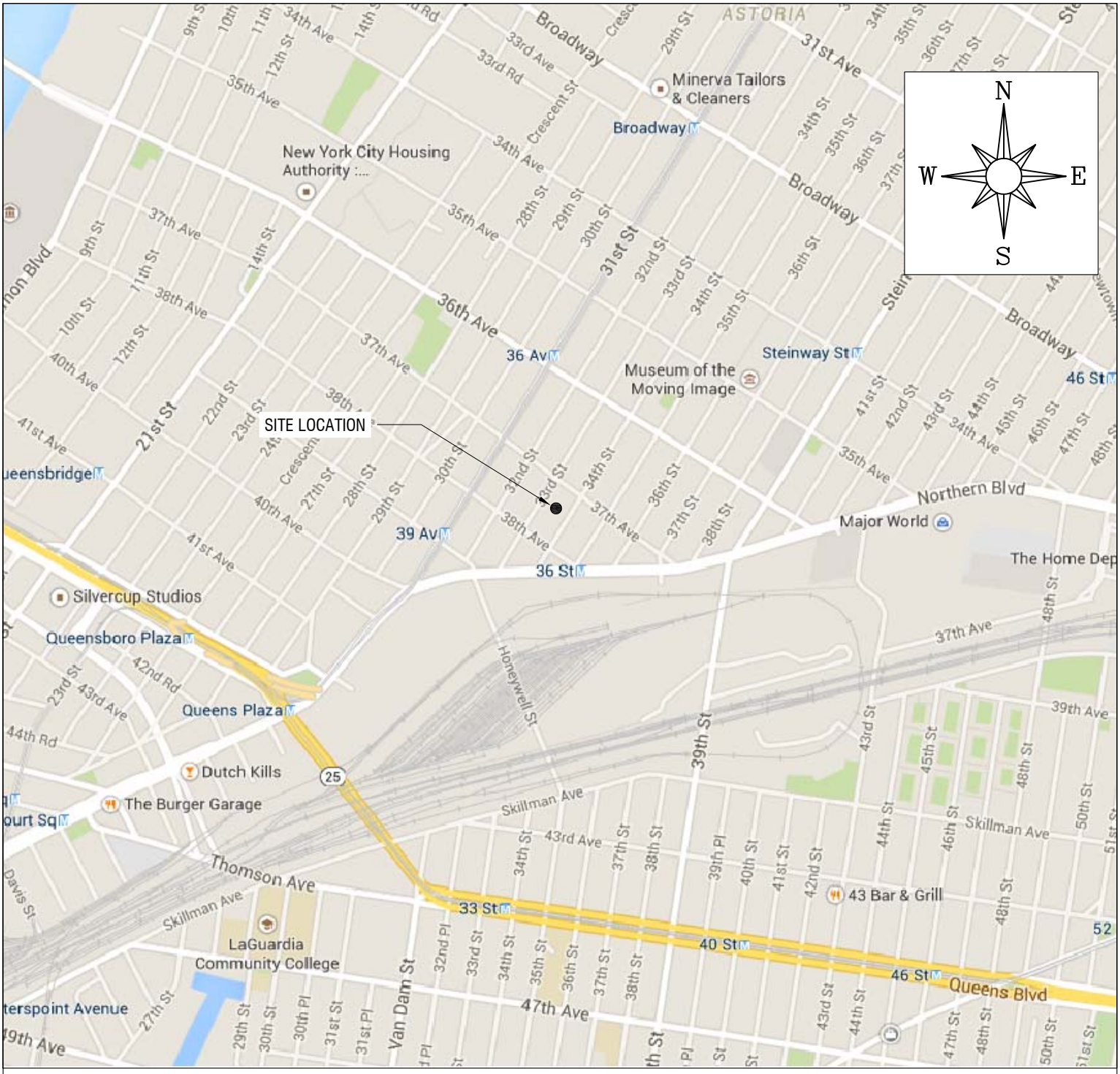
5.5 Prior Activity

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

5.6 Impediments to Remedial Action

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

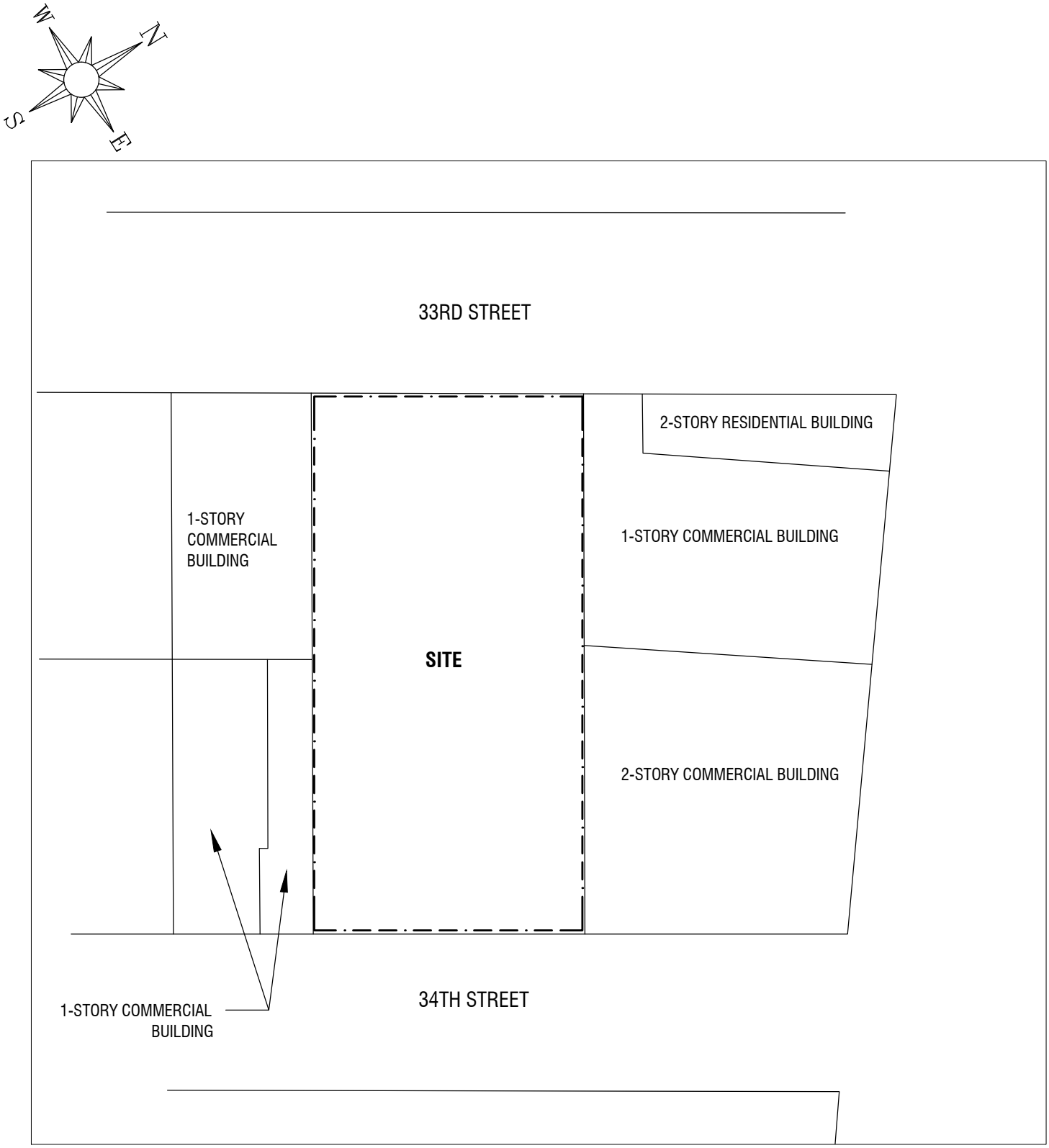
FIGURES



Scale: 1000 ft

ATHENICA ENVIRONMENTAL SERVICES, INC,
Environmental Consultants

Site map:	37-14 34TH STREET STREET LONG ISLAND CITY, NY 11101
Figure: Title:	1 SITE LOCATION MAP
Date:	JANUARY 28, 2015
Drawn by:	MICHAEL MANDAC
Checked by:	EZGI KARAYEL
Drawing Scale:	N.T.S.
Project No.:	14-133-1103



Legend:

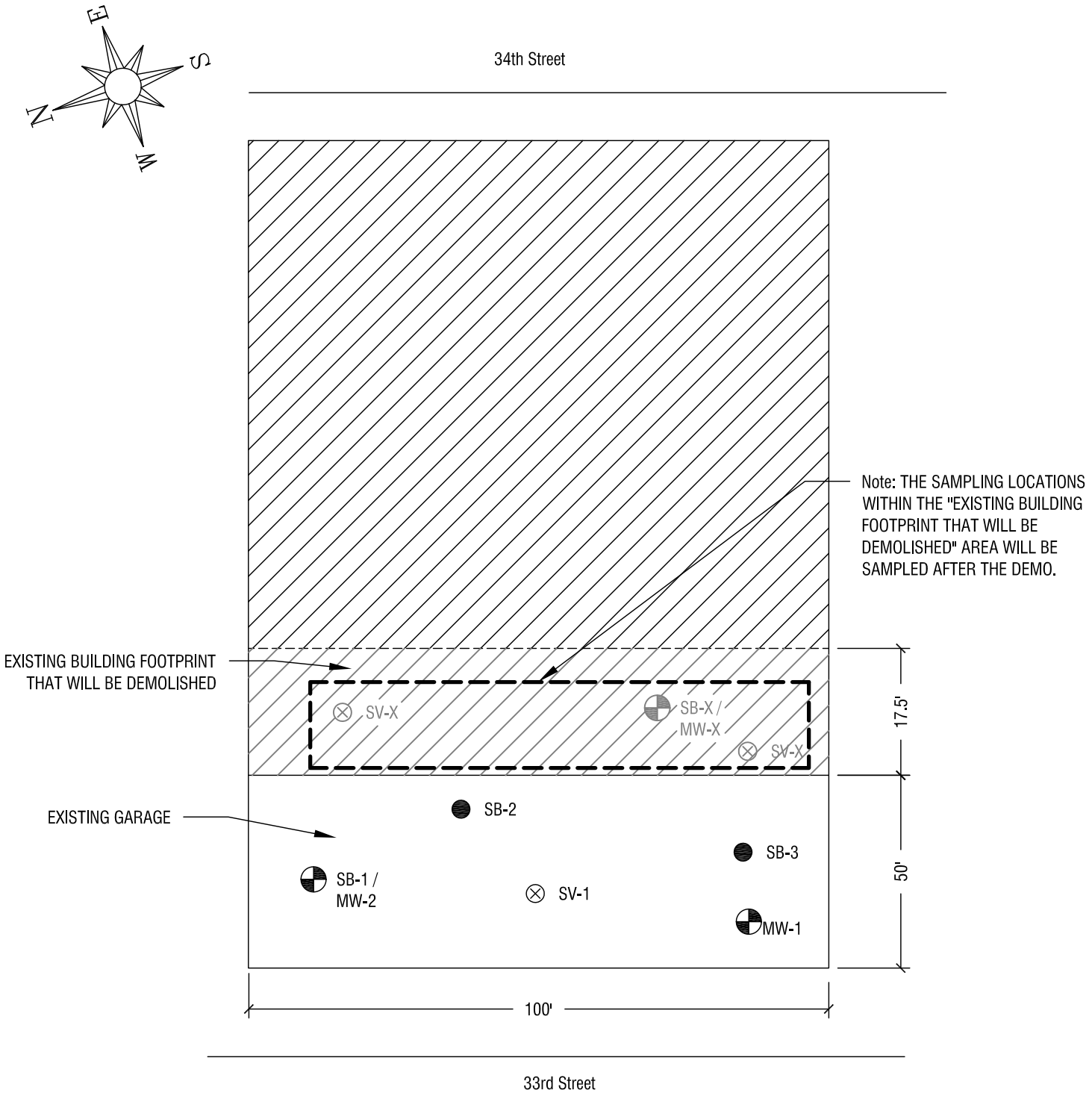
SITE BOUNDARY

ATHENICA ENVIRONMENTAL SERVICES, INC,
Environmental Consultants

Site map:	31-14 34TH STREET LONG ISLAND CITY, NY 11101
Figure: Title:	2 SITE BOUNDARY MAP
Date:	JANUARY 30, 2015
Drawn by:	ALEJANDRO MOREJON CORTINA
Checked by:	ETHAN RAINEY
Drawing Scale:	AS NOTED
Project No.:	14-133-1103

ATHENICA ENVIRONMENTAL SERVICES, INC,
Environmental Consultants

Site map:	37-14 34TH STREET LONG ISLAND CITY, NY 11104
Figure: Title:	3 PROPOSED DEVELOPMENT PLAN
Date:	JANUARY 28, 2015
Drawn by:	MICHAEL MANDAC
Checked by:	EZGI KARAYEL
Drawing Scale:	N.T.S.
Project No.:	14-133-1103



LEGEND:

⊗ SV-X	SOIL VAPOR SAMPLING LOCATION AND DESIGNATION NUMBER
● SB-X	SOIL BORING LOCATION AND DESIGNATION NUMBER
◐ SB-X / MW-X	SOIL BORING / MONITORING WELL LOCATION AND DESIGNATION NUMBER

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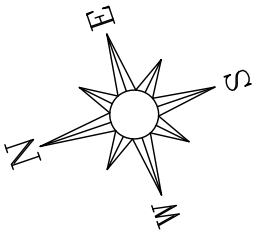
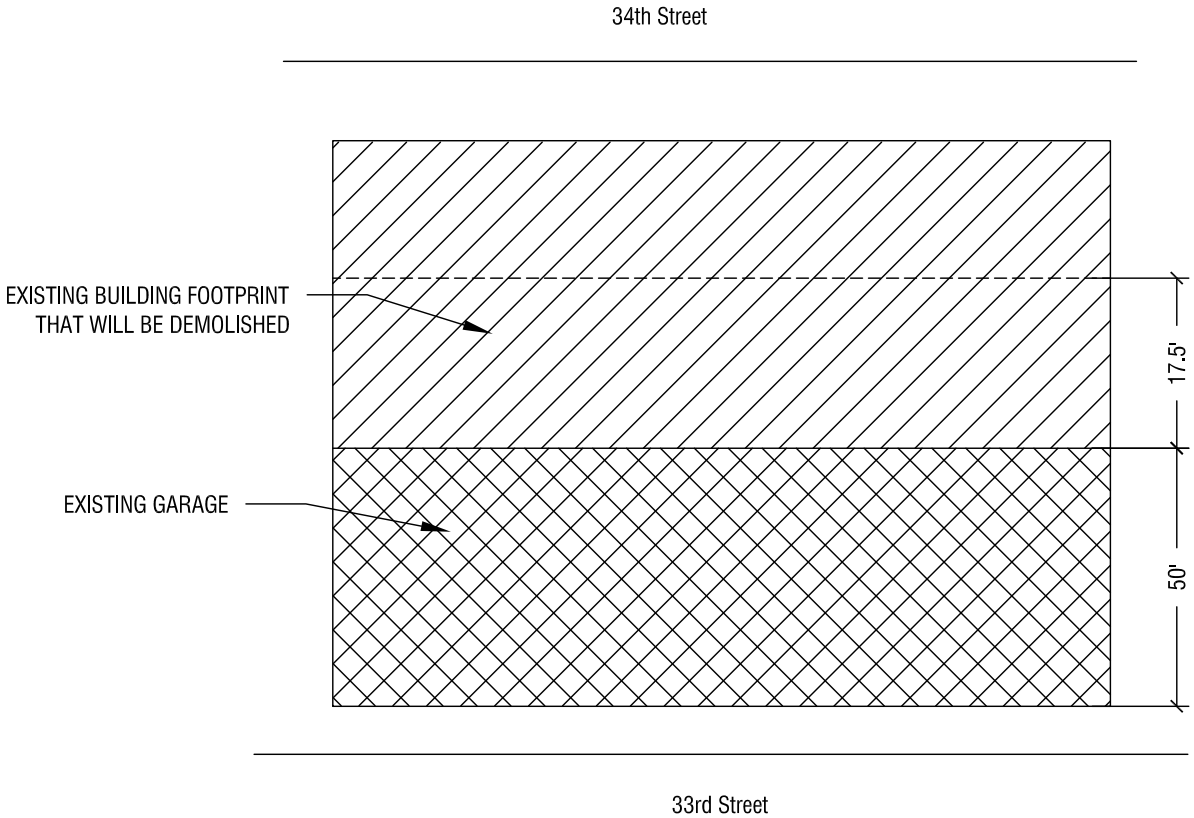
Environmental Consultants

Site Map:	37-14 34TH STREET STREET LONG ISLAND CITY, NY 11101
Figure: Title:	4 SAMPLING PLAN
Date:	JANUARY 30, 2015
Drawn by:	MICHAEL MANDAC
Checked by:	EZGI KARAYEL
Drawing Scale:	N.T.S.
Project No.:	14-133-1103





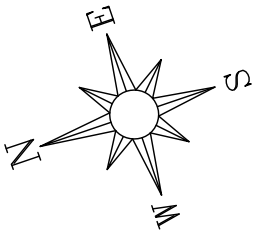
Legend:

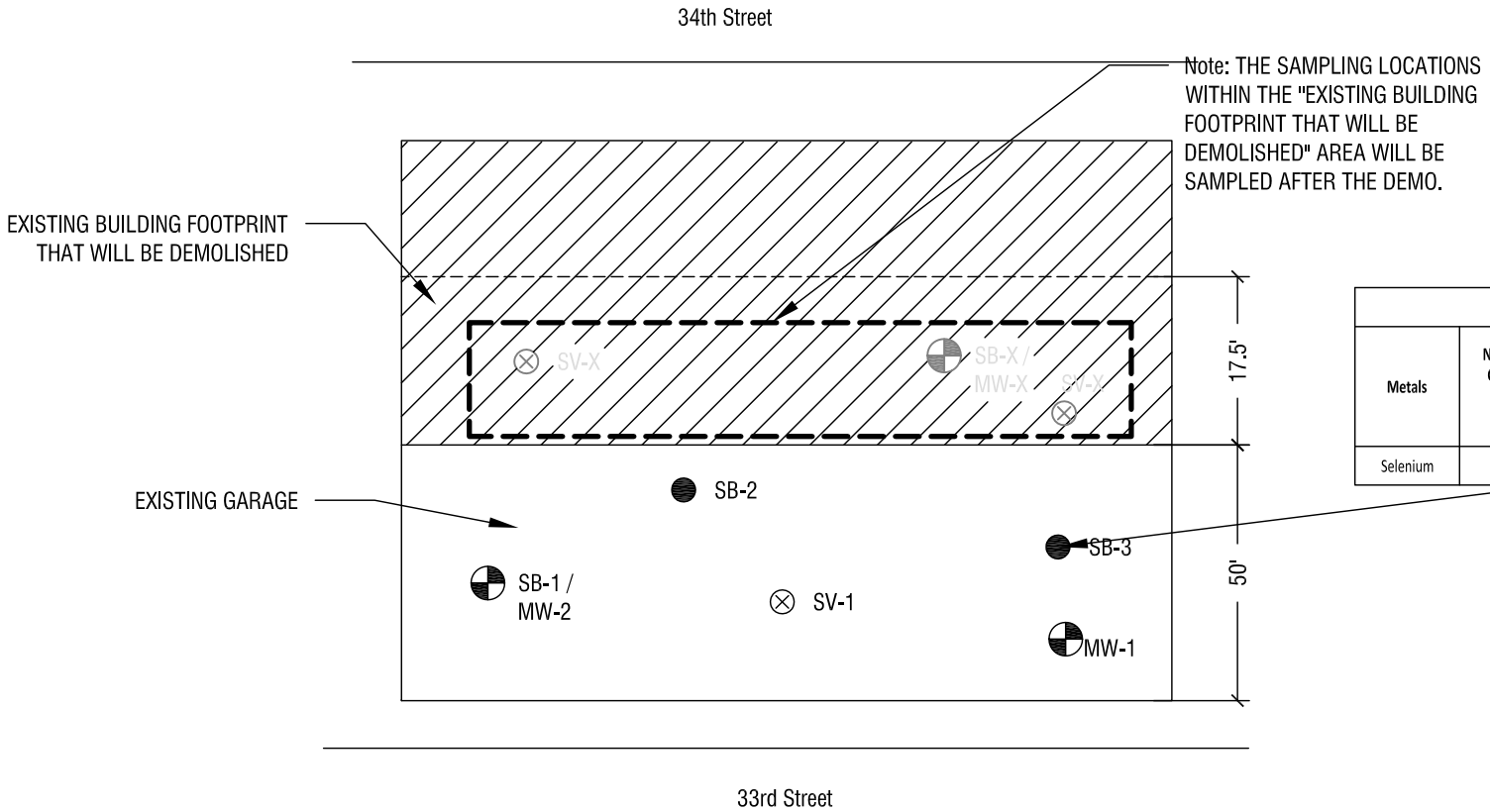
EXISTING BUILDING

AREA OF CONCERN

ATHENICA ENVIRONMENTAL SERVICES, INC,
Environmental Consultants

Site map:	37-14 34TH STREET STREET LONG ISLAND CITY, NY 11101
Figure: Title:	5 AREAS OF CONCERN
Date:	JANUARY 30, 2015
Drawn by:	MICHAEL MANDAC
Checked by:	EZGI KARAYEL
Drawing Scale:	N.T.S.
Project No.:	14-133-1103





SB-3 (0'-2')		
Metals	NYSDEC Part 375 Soil Cleanup Objective - Unrestricted Use (mg/kg)	Results (mg/kg)
Selenium	3.9	**4**

Legend:

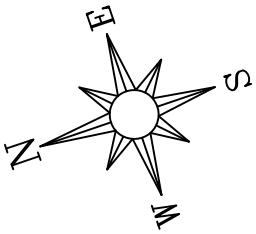
- SV-X — SOIL VAPOR SAMPLING LOCATION AND DESIGNATION NUMBER
- SB-X — SOIL BORING LOCATION AND DESIGNATION NUMBER
- SB-X / MW-X — SOIL BORING / MONITORING WELL LOCATION AND DESIGNATION NUMBER

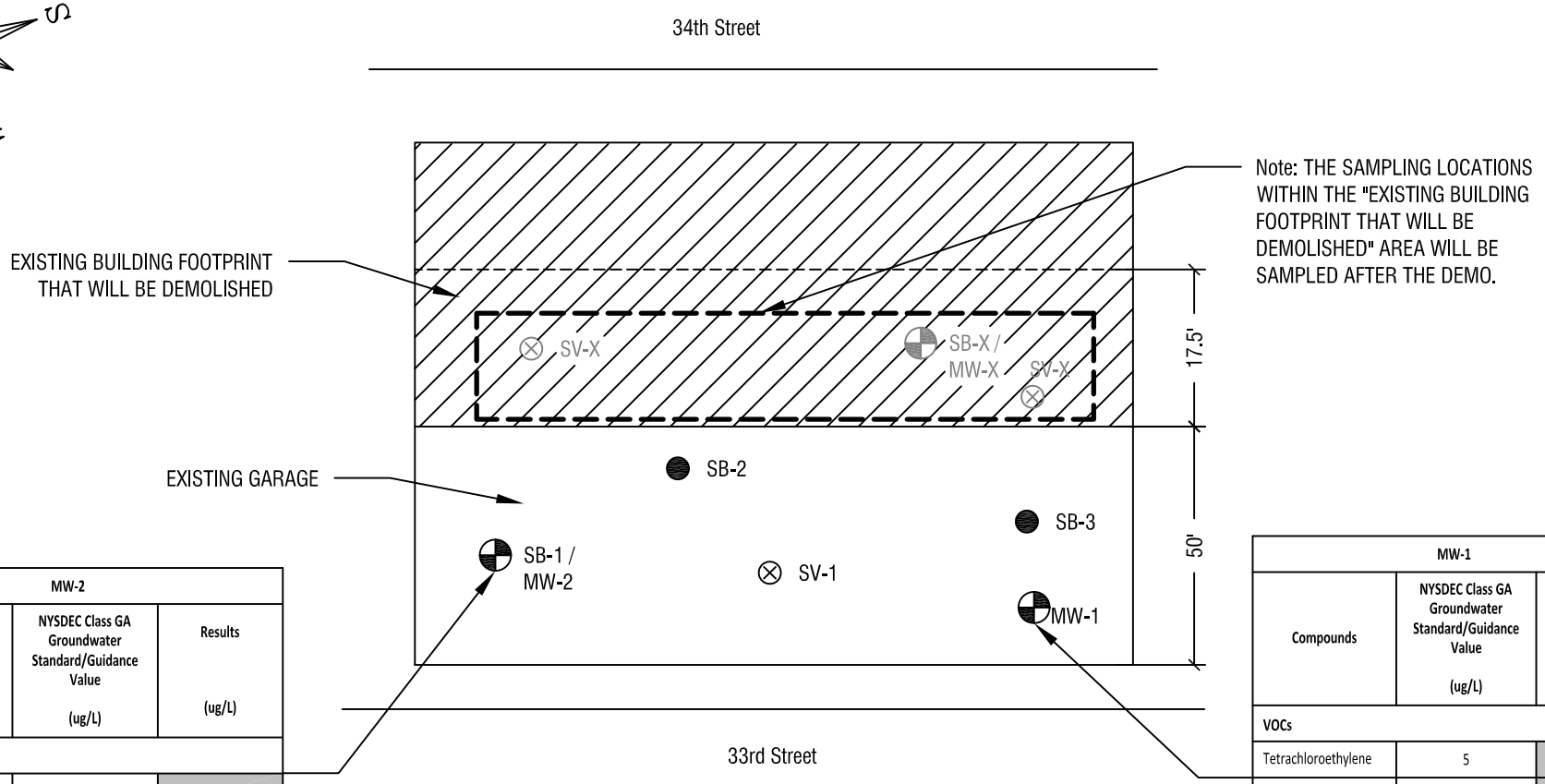
NOTES:

1. Bold values represent concentrations above Part 375 Unrestricted Use SCOs
2. Shaded values represent concentrations above Part 375 Restricted Residential Use SCOs

ATHENICA ENVIRONMENTAL SERVICES, INC,
Environmental Consultants

Site map:	37-14 34TH STREET STREET LONG ISLAND CITY, NY 11101
Figure:	6
Title:	SOIL EXCEEDANCES
Date:	JANUARY 30, 2015
Drawn by:	MICHAEL MANDAC
Checked by:	EZGI KARAYEL
Drawing Scale:	N.T.S.
Project No.:	14-133-1103





MW-2		
Compounds	NYSDEC Class GA Groundwater Standard/Guidance Value (ug/L)	Results (ug/L)
VOCs		
Tetrachloroethylene	5	**6.40**
Trichloroethylene	5	2.50
Dissolved Metals		
Sodium	20,000	**105,000**

MW-1		
Compounds	NYSDEC Class GA Groundwater Standard/Guidance Value (ug/L)	Results (ug/L)
VOCs		
Tetrachloroethylene	5	**13**
Trichloroethylene	5	**5**
Dissolved Metals		
Chromium	50	**168**
Chromium, Hexavalent	50	**165**
Magnesium	35,000	**37,900**
Sodium	20,000	**129,000**

Legend:

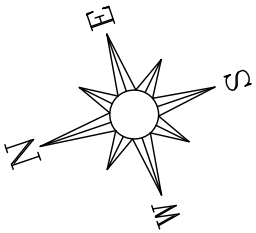
- SV-X — SOIL VAPOR SAMPLING LOCATION AND DESIGNATION NUMBER
- SB-X — SOIL BORING LOCATION AND DESIGNATION NUMBER
- SB-X / MW-X — SOIL BORING / MONITORING WELL LOCATION AND DESIGNATION NUMBER

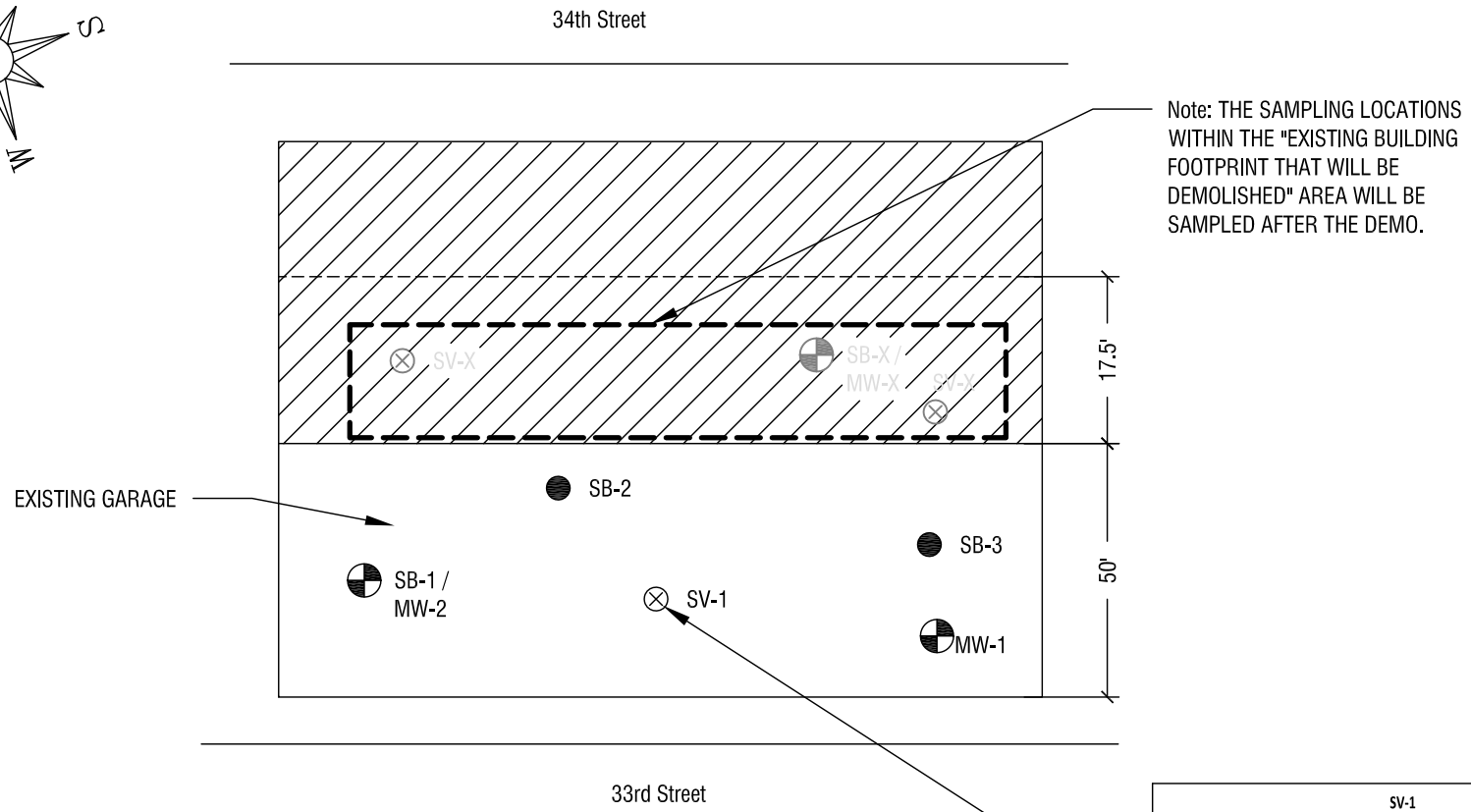
NOTES:

Bold and shaded value exceeds the New York State Class GA Groundwater Standard/Guidance Value for the indicated parameter

ATHENICA ENVIRONMENTAL SERVICES, INC,
Environmental Consultants

Site map:	37-14 34TH STREET STREET LONG ISLAND CITY, NY 11101
Figure: Title:	7 GROUNDWATER EXCEEDANCES
Date:	JANUARY 30, 2015
Drawn by:	MICHAEL MANDAC
Checked by:	EZGI KARAYEL
Drawing Scale:	N.T.S.
Project No.:	14-133-1103





SV-1		
Compounds	Soil Vapor Evaluation Criteria (ug/m3)	Results (ug/m3)
1,1,1-Trichloroethane	1000	**40**
Carbon tetrachloride	250	ND
Tetrachloroethylene (PCE)	1000	**3,000**
Trichloroethylene (TCE)	250	**95**

Legend:

- ⊗ SV-X — SOIL VAPOR SAMPLING LOCATION AND DESIGNATION NUMBER
- ● SB-X — SOIL BORING LOCATION AND DESIGNATION NUMBER
- ◐ SB-X / MW-X — SOIL BORING / MONITORING WELL LOCATION AND DESIGNATION NUMBER

NOTES:

1. Evaluation criteria for soil vapor is the sub-slab vapor concentration for Matrix 1 and Matrix 2 compounds in the NYSDOH Soil Vapor Intrusion Guidance document dated October 2006.

2. Bold shaded values are detected compounds that exceed the evaluation criteria.

ATHENICA ENVIRONMENTAL SERVICES, INC,
Environmental Consultants

Site map:	37-14 34TH STREET STREET LONG ISLAND CITY, NY 11101
Figure: Title:	8 SOIL VAPOR EXCEEDANCES
Date:	JANUARY 30, 2015
Drawn by:	MICHAEL MANDAC
Checked by:	EZGI KARAYEL
Drawing Scale:	N.T.S.
Project No.:	14-133-1103

TABLES

Table 1
VOCs in Soil Samples
37-14 34th Street, Queens, NY 11101

Sample ID	**NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives**	**NYSDEC Part 375 Restricted Use Soil Cleanup Objectives - Restricted Residential**	SB-1		SB-1		SB-2		SB-2		SB-3		SB-3	
Sample Depth			(0'-2')		(12'-14')		(0'-2')		(12'-14')		(0'-2')		(12'-14')	
Lab Sample ID			15A0405-01		15A0405-02		15A0405-03		15A0405-04		15A0405-05		15A0405-06	
Sampling Date			1/14/2015		1/14/2015		1/14/2015		1/14/2015		1/14/2015		1/14/2015	
Dilution Factor			1		1		1		1		1		1	
Sample Matrix			Soil		Soil		Soil		Soil		Soil		Soil	
Unit of Measure	**mg/kg**	**mg/kg**	mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg	
1,1,1,2-Tetrachloroethane	NC	NC	0.0028	ND	0.0038	ND	0.0026	ND	0.0028	ND	0.0023	ND	0.0023	ND
1,1,1-Trichloroethane	0.68	100	0.0028	ND	0.0038	ND	0.0026	ND	0.0028	ND	0.0023	ND	0.0023	ND
1,1,2,2-Tetrachloroethane	NC	NC	0.0028	ND	0.0038	ND	0.0026	ND	0.0028	ND	0.0023	ND	0.0023	ND
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	NC	NC	0.0028	ND	0.0038	ND	0.0026	ND	0.0028	ND	0.0023	ND	0.0023	ND
1,1,2-Trichloroethane	NC	NC	0.0028	ND	0.0038	ND	0.0026	ND	0.0028	ND	0.0023	ND	0.0023	ND
1,1-Dichloroethane	0.27	26	0.0028	ND	0.0038	ND	0.0026	ND	0.0028	ND	0.0023	ND	0.0023	ND
1,1-Dichloroethylene	0.33	100	0.0028	ND	0.0038	ND	0.0026	ND	0.0028	ND	0.0023	ND	0.0023	ND
1,2,3-Trichlorobenzene	NC	NC	0.0028	ND	0.0038	ND	0.0026	ND	0.0028	ND	0.0023	ND	0.0023	ND
1,2,3-Trichloropropane	NC	NC	0.0028	ND	0.0038	ND	0.0026	ND	0.0028	ND	0.0023	ND	0.0023	ND
1,2,4-Trichlorobenzene	NC	NC	0.0028	ND	0.0038	ND	0.0026	ND	0.0028	ND	0.0023	ND	0.0023	ND
1,2,4-Trimethylbenzene	3.6	52	0.0028	ND	0.0038	ND	0.0026	ND	0.0028	ND	0.0023	ND	0.0023	ND
1,2-Dibromo-3-chloropropane	NC	NC	0.0028	ND	0.0038	ND	0.0026	ND	0.0028	ND	0.0023	ND	0.0023	ND
1,2-Dibromoethane	NC	NC	0.0028	ND	0.0038	ND	0.0026	ND	0.0028	ND	0.0023	ND	0.0023	ND
1,2-Dichlorobenzene	1.1	100	0.0028	ND	0.0038	ND	0.0026	ND	0.0028	ND	0.0023	ND	0.0023	ND
1,2-Dichloroethane	0.02	3.1	0.0028	ND	0.0038	ND	0.0026	ND	0.0028	ND	0.0023	ND	0.0023	ND
1,2-Dichloropropane	NC	NC	0.0028	ND	0.0038	ND	0.0026	ND	0.0028	ND	0.0023	ND	0.0023	ND
1,3,5-Trimethylbenzene	8.4	52	0.0028	ND	0.0038	ND	0.0026	ND	0.0028	ND	0.0023	ND	0.0023	ND
1,3-Dichlorobenzene	2.4	49	0.0028	ND	0.0038	ND	0.0026	ND	0.0028	ND	0.0023	ND	0.0023	ND
1,4-Dichlorobenzene	1.8	13	0.0028	ND	0.0038	ND	0.0026	ND	0.0028	ND	0.0023	ND	0.0023	ND
1,4-Dioxane	0.1	13	0.11	ND	0.15	ND	0.10	ND	0.11	ND	0.046	ND	0.047	ND
2-Butanone	0.12	100	0.0028	ND	0.0038	ND	0.0026	ND	0.0028	ND	0.0023	ND	0.0023	ND
2-Hexanone	NC	NC	0.0028	ND	0.0038	ND	0.0026	ND	0.0028	ND	0.0023	ND	0.0023	ND
4-Methyl-2-pentanone	NC	NC	0.0028	ND	0.0038	ND	0.0026	ND	0.0028	ND	0.0023	ND	0.0023	ND
Acetone	0.05	100	0.013		0.0075	ND	0.019		0.014		0.016		0.0083	J
Acrolein	NC	NC	0.0056	ND	0.0075	ND	0.0052	ND	0.0055	ND	0.0046	ND	0.0047	ND
Acrylonitrile	NC	NC	0.0028	ND	0.0038	ND	0.0026	ND	0.0028	ND	0.0023	ND	0.0023	ND
Benzene	0.06	4.8	0.0028	ND	0.0038	ND	0.0026	ND	0.0028	ND	0.0023	ND	0.0023	ND
Bromochloromethane	NC	NC	0.0028	ND	0.0038	ND	0.0026	ND	0.0028	ND	0.0023	ND	0.0023	ND
Bromodichloromethane	NC	NC	0.0028	ND	0.0038	ND	0.0026	ND	0.0028	ND	0.0023	ND	0.0023	ND
Bromoform	NC	NC	0.0028	ND	0.0038	ND	0.0026	ND	0.0028	ND	0.0023	ND	0.0023	ND
Bromomethane	NC	NC	0.0028	ND	0.0038	ND	0.0026	ND	0.0028	ND	0.0023	ND	0.0023	ND
Carbon disulfide	NC	NC	0.0028	ND	0.0038	ND	0.0026	ND	0.0028	ND	0.0023	ND	0.0023	ND
Carbon tetrachloride	0.76	2.4	0.0028	ND	0.0038	ND	0.0026	ND	0.0028	ND	0.0023	ND	0.0023	ND
Chlorobenzene	1.1	100	0.0028	ND	0.0038	ND	0.0026	ND	0.0028	ND	0.0023	ND	0.0023	ND
Chloroethane	NC	NC	0.0028	ND	0.0038	ND	0.0026	ND	0.0028	ND	0.0023	ND	0.0023	ND
Chloroform	0.37	49	0.0028	ND	0.0038	ND	0.0026	ND	0.0028	ND	0.0023	ND	0.0023	ND
Chloromethane	NC	NC	0.0028	ND	0.0038	ND	0.0026	ND	0.0028	ND	0.0023	ND	0.0023	ND
cis-1,2-Dichloroethylene	0.25	100	0.0028	ND	0.0038	ND	0.0026	ND	0.0028	ND	0.0023	ND	0.0023	ND
cis-1,3-Dichloropropylene	NC	NC	0.0028	ND	0.0038	ND	0.0026	ND	0.0028	ND	0.0023	ND	0.0023	ND
Cyclohexane	NC	NC	0.0028	ND	0.0038	ND	0.0026	ND	0.0028	ND	0.0023	ND	0.0023	ND
Dibromochloromethane	NC	NC	0.0028	ND	0.0038	ND	0.0026	ND	0.0028	ND	0.0023	ND	0.0023	ND
Dibromomethane	NC	NC	0.0028	ND	0.0038	ND	0.0026	ND	0.0028	ND	0.0023	ND	0.0023	ND
Dichlorodifluoromethane	NC	NC	0.0028	ND	0.0038	ND	0.0026	ND	0.0028	ND	0.0023	ND	0.0023	ND
Ethyl Benzene	1	41	0.0028	ND	0.0038	ND	0.0026	ND	0.0028	ND	0.0023	ND	0.0023	ND
Hexachlorobutadiene	NC	NC	0.0028	ND	0.0038	ND	0.0026	ND	0.0028	ND	0.0023	ND	0.0023	ND
Isopropylbenzene	NC	NC	0.0028	ND	0.0038	ND	0.0026	ND	0.0028	ND	0.0023	ND	0.0023	ND
Methyl acetate	NC	NC	0.0028	ND	0.0038	ND	0.0026	ND	0.0028	ND	0.0023	ND	0.0023	ND
Methyl tert-butyl ether (MTBE)	0.93	100	0.0028	ND	0.0038	ND	0.0026	ND	0.0028	ND	0.0023	ND	0.0023	ND
Methylcyclohexane	NC	NC	0.0028	ND	0.0038	ND	0.0026	ND	0.0028	ND	0.0023	ND	0.0023	ND
Methylene chloride	0.05	100	0.0056	ND	0.0075	ND	0.0052	ND	0.0055	ND	0.0046	ND	0.0047	ND
n-Butylbenzene	12	100	0.0028	ND	0.0038	ND	0.0026	ND	0.0028	ND	0.0023	ND	0.0023	ND
n-Propylbenzene	3.9	100	0.0028	ND	0.0038	ND	0.0026	ND	0.0028	ND	0.0023	ND	0.0023	ND
o-Xylene	NC	NC	0.0028	ND	0.0038	ND	0.0026	ND	0.0028	ND	0.0024	J	0.0023	ND
p- & m- Xylenes	NC	NC	0.0056	ND	0.0075	ND	0.0052	ND	0.0055	ND	0.0071	J	0.0047	ND
p-Isopropyltoluene	NC	NC	0.0028	ND	0.0038	ND	0.0026	ND	0.0028	ND	0.0023	ND	0.0023	ND
sec-Butylbenzene	11	100	0.0028	ND	0.0038	ND	0.0026	ND	0.0028	ND	0.0023	ND	0.0023	ND
Styrene	NC	NC	0.0028	ND	0.0038	ND	0.0026	ND	0.0028	ND	0.0023	ND	0.0023	ND
tert-Butyl alcohol (TBA)	NC	NC	0.0028	ND	NT		NT		NT		0.0023	ND	0.0023	ND
tert-Butylbenzene	5.9	100	0.0028	ND	0.0038	ND	0.0026	ND	0.0028	ND	0.0023	ND	0.0023	ND
Tetrachloroethylene	1.3	19	0.0028	ND	0.0038	ND	0.0026	ND	0.0028	ND	0.046		0.0023	ND
Toluene	0.7	100	0.0028	ND	0.0038	ND	0.0026	ND	0.0028	ND	0.0023	ND	0.0023	ND
trans-1,2-Dichloroethylene	0.19	100	0.0028	ND	0.0038	ND	0.0026	ND	0.0028	ND	0.0023	ND	0.0023	ND
trans-1,3-Dichloropropylene	NC	NC	0.0028	ND	0.0038	ND	0.0026	ND	0.0028	ND	0.0023	ND	0.0023	ND
Trichloroethylene	0.47	21	0.0028	ND	0.0038	ND	0.0026	ND	0.0028	ND	0.010		0.0023	ND
Trichlorofluoromethane	NC	NC	0.0028	ND	0.0038	ND	0.0026	ND	0.0028	ND	0.0023	ND	0.0023	ND
Vinyl Chloride	0.02	0.9	0.0028	ND	0.0038	ND	0.0026	ND	0.0028	ND	0.0023	ND	0.0023	ND
Xylenes, Total	0.26	100	0.0084	ND	0.011	ND	0.0078	ND	0.0083	ND	0.0095	J	0.0070	ND

Legend
mg/kg - milligrams per kilograms
NC - No criterion for evaluation of analytical parameter
ND - Analyte not detected at or above the indicated (reporting limit, method detection limit)
NT - Analyte not tested for
Gray bold and shaded values exceed the Part 375 Unrestricted Use Soil Cleanup Objectives

Notes
1. Evaluation criteria for soil sample results is the NYSDEC Part 375 Value for Unrestricted Use Soil Cleanup Objective and Restricted-Use Restricted Residential SCOs

Table 2
SVOCs in Soil Samples
37-14 34th Street, Queens, NY 11101

Sample ID	**NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives**	**NYSDEC Part 375 Restricted Use Soil Cleanup Objectives - Restricted Residential**	SB-1		SB-1		SB-2		SB-2		SB-3		SB-3	
Sample Depth			(0'-2')		(12'-14')		(0'-2')		(12'-14')		(0'-2')		(12'-14')	
Lab Sample ID			15A0405-01		15A0405-02		15A0405-03		15A0405-04		15A0405-05		15A0405-06	
Sampling Date			1/14/2015		1/14/2015		1/14/2015		1/14/2015		1/14/2015		1/14/2015	
Dilution Factor			1		1		1		1		1		1	
Sample Matrix			Soil		Soil		Soil		Soil		Soil		Soil	
Unit of Measure	**mg/kg**	**mg/kg**	mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg	
1,1'-Biphenyl	NC	NC	0.021	ND	0.021	ND	0.021	ND	0.021	ND	0.022	ND	0.021	ND
1,2,4,5-Tetrachlorobenzene	NC	NC	0.042	ND	0.042	ND	0.042	ND	0.042	ND	0.043	ND	0.043	ND
1,2,4-Trichlorobenzene	NC	NC	0.021	ND	0.021	ND	0.021	ND	0.021	ND	0.022	ND	0.021	ND
1,2-Dichlorobenzene	1.1	100	0.021	ND	0.021	ND	0.021	ND	0.021	ND	0.022	ND	0.021	ND
1,2-Diphenylhydrazine (as Azobenzene)	NC	NC	0.021	ND	0.021	ND	0.021	ND	0.021	ND	0.022	ND	0.021	ND
1,3-Dichlorobenzene	2.4	49	0.021	ND	0.021	ND	0.021	ND	0.021	ND	0.022	ND	0.021	ND
1,4-Dichlorobenzene	1.8	13	0.021	ND	0.021	ND	0.021	ND	0.021	ND	0.022	ND	0.021	ND
2,3,4,6-Tetrachlorophenol	NC	NC	0.042	ND	0.042	ND	0.042	ND	0.042	ND	0.043	ND	0.043	ND
2,4,5-Trichlorophenol	NC	NC	0.021	ND	0.021	ND	0.021	ND	0.021	ND	0.022	ND	0.021	ND
2,4,6-Trichlorophenol	NC	NC	0.021	ND	0.021	ND	0.021	ND	0.021	ND	0.022	ND	0.021	ND
2,4-Dichlorophenol	NC	NC	0.021	ND	0.021	ND	0.021	ND	0.021	ND	0.022	ND	0.021	ND
2,4-Dimethylphenol	NC	NC	0.021	ND	0.021	ND	0.021	ND	0.021	ND	0.022	ND	0.021	ND
2,4-Dinitrophenol	NC	NC	0.042	ND	0.042	ND	0.042	ND	0.042	ND	0.043	ND	0.043	ND
2,4-Dinitrotoluene	NC	NC	0.021	ND	0.021	ND	0.021	ND	0.021	ND	0.022	ND	0.021	ND
2,6-Dinitrotoluene	NC	NC	0.021	ND	0.021	ND	0.021	ND	0.021	ND	0.022	ND	0.021	ND
2-Chloronaphthalene	NC	NC	0.021	ND	0.021	ND	0.021	ND	0.021	ND	0.022	ND	0.021	ND
2-Chlorophenol	NC	NC	0.021	ND	0.021	ND	0.021	ND	0.021	ND	0.022	ND	0.021	ND
2-Methylnaphthalene	NC	NC	0.021	ND	0.021	ND	0.021	ND	0.021	ND	0.022	ND	0.021	ND
2-Methylphenol	0.33	100	0.021	ND	0.021	ND	0.021	ND	0.021	ND	0.022	ND	0.021	ND
2-Nitroaniline	NC	NC	0.042	ND	0.042	ND	0.042	ND	0.042	ND	0.043	ND	0.043	ND
2-Nitrophenol	NC	NC	0.021	ND	0.021	ND	0.021	ND	0.021	ND	0.022	ND	0.021	ND
3- & 4-Methylphenols	NC	NC	0.021	ND	0.021	ND	0.021	ND	0.021	ND	0.022	ND	0.021	ND
3,3'-Dichlorobenzidine	NC	NC	0.021	ND	0.021	ND	0.021	ND	0.021	ND	0.022	ND	0.021	ND
3-Nitroaniline	NC	NC	0.042	ND	0.042	ND	0.042	ND	0.042	ND	0.043	ND	0.043	ND
4,6-Dinitro-2-methylphenol	NC	NC	0.042	ND	0.042	ND	0.042	ND	0.042	ND	0.043	ND	0.043	ND
4-Bromophenyl phenyl ether	NC	NC	0.021	ND	0.021	ND	0.021	ND	0.021	ND	0.022	ND	0.021	ND
4-Chloro-3-methylphenol	NC	NC	0.021	ND	0.021	ND	0.021	ND	0.021	ND	0.022	ND	0.021	ND
4-Chloroaniline	NC	NC	0.021	ND	0.021	ND	0.021	ND	0.021	ND	0.022	ND	0.021	ND
4-Chlorophenyl phenyl ether	NC	NC	0.021	ND	0.021	ND	0.021	ND	0.021	ND	0.022	ND	0.021	ND
4-Nitroaniline	NC	NC	0.042	ND	0.042	ND	0.042	ND	0.042	ND	0.043	ND	0.043	ND
4-Nitrophenol	NC	NC	0.042	ND	0.042	ND	0.042	ND	0.042	ND	0.043	ND	0.043	ND
Acenaphthene	20	100	0.021	ND	0.021	ND	0.021	ND	0.021	ND	0.034	J	0.021	ND
Acenaphthylene	100	100	0.021	ND	0.021	ND	0.021	ND	0.021	ND	0.022	ND	0.021	ND
Acetophenone	NC	NC	0.021	ND	0.021	ND	0.021	ND	0.021	ND	0.022	ND	0.021	ND
Aniline	NC	NC	0.085	ND	0.084	ND	0.084	ND	0.085	ND	0.087	ND	0.085	ND
Anthracene	100	100	0.021	ND	0.021	ND	0.021	ND	0.021	ND	0.25		0.021	ND
Atrazine	NC	NC	0.021	ND	0.021	ND	0.021	ND	0.021	ND	0.022	ND	0.021	ND
Benzaldehyde	NC	NC	0.021	ND	0.021	ND	0.021	ND	0.021	ND	0.022	ND	0.021	ND
Benzidine	NC	NC	0.085	ND	0.084	ND	0.084	ND	0.085	ND	0.087	ND	0.085	ND
Benzo(a)anthracene	1	1	0.021	ND	0.021	ND	0.021	ND	0.021	ND	0.095		0.021	ND
Benzo(a)pyrene	1	1	0.021	ND	0.021	ND	0.021	ND	0.021	ND	0.060		0.021	ND
Benzo(b)fluoranthene	1	1	0.021	ND	0.021	ND	0.021	ND	0.021	ND	0.045		0.021	ND
Benzo(g,h,i)perylene	100	100	0.021	ND	0.021	ND	0.021	ND	0.021	ND	0.050		0.021	ND
Benzo(k)fluoranthene	0.8	3.9	0.021	ND	0.021	ND	0.021	ND	0.021	ND	0.055		0.021	ND
Benzoic acid	NC	NC	0.021	ND	0.021	ND	0.021	ND	0.021	ND	0.022	ND	0.021	ND
Benzyl alcohol	NC	NC	0.021	ND	0.021	ND	0.021	ND	0.021	ND	0.022	ND	0.021	ND
Benzyl butyl phthalate	NC	NC	0.021	ND	0.021	ND	0.021	ND	0.021	ND	0.022	ND	0.021	ND
Bis(2-chloroethoxy)methane	NC	NC	0.021	ND	0.021	ND	0.021	ND	0.021	ND	0.022	ND	0.021	ND
Bis(2-chloroethyl)ether	NC	NC	0.021	ND	0.021	ND	0.021	ND	0.021	ND	0.022	ND	0.021	ND
Bis(2-chloroisopropyl)ether	NC	NC	0.021	ND	0.021	ND	0.021	ND	0.021	ND	0.022	ND	0.021	ND
Bis(2-ethylhexyl)phthalate	NC	NC	0.021	ND	0.021	ND	0.021	ND	0.021	ND	0.022	ND	0.021	ND
Caprolactam	NC	NC	0.042	ND	0.042	ND	0.042	ND	0.042	ND	0.043	ND	0.043	ND
Carbazole	NC	NC	0.021	ND	0.021	ND	0.021	ND	0.021	ND	0.030	J	0.021	ND
Chrysene	1	3.9	0.021	ND	0.021	ND	0.021	ND	0.021	ND	0.090		0.021	ND
Dibenzo(a,h)anthracene	0.33	0.33	0.021	ND	0.021	ND	0.021	ND	0.021	ND	0.022	ND	0.021	ND
Dibenzofuran	7	59	0.021	ND	0.021	ND	0.021	ND	0.021	ND	0.022	ND	0.021	ND
Diethyl phthalate	NC	NC	0.021	ND	0.021	ND	0.021	ND	0.021	ND	0.022	ND	0.021	ND
Dimethyl phthalate	NC	NC	0.021	ND	0.021	ND	0.021	ND	0.021	ND	0.022	ND	0.021	ND
Di-n-butyl phthalate	NC	NC	0.021	ND	0.021	ND	0.021	ND	0.021	ND	0.022	ND	0.021	ND
Di-n-octyl phthalate	NC	NC	0.021	ND	0.021	ND	0.021	ND	0.021	ND	0.022	ND	0.021	ND
Fluoranthene	100	100	0.021	ND	0.021	ND	0.021	ND	0.021	ND	0.19		0.021	ND
Fluorene	30	100	0.021	ND	0.021	ND	0.021	ND	0.021	ND	0.035	J	0.021	ND
Hexachlorobenzene	0.33	1.2	0.021	ND	0.021	ND	0.021	ND	0.021	ND	0.022	ND	0.021	ND
Hexachlorobutadiene	NC	NC	0.021	ND	0.021	ND	0.021	ND	0.021	ND	0.022	ND	0.021	ND
Hexachlorocyclopentadiene	NC	NC	0.021	ND	0.021	ND	0.021	ND	0.021	ND	0.022	ND	0.021	ND
Hexachloroethane	NC	NC	0.021	ND	0.021	ND	0.021	ND	0.021	ND	0.022	ND	0.021	ND
Indeno(1,2,3-cd)pyrene	0.5	0.5	0.021	ND	0.021	ND	0.021	ND	0.021	ND	0.043	J	0.021	ND
Isophorone	NC	NC	0.021	ND	0.021	ND	0.021	ND	0.021	ND	0.022	ND	0.021	ND
Naphthalene	12	100	0.021	ND	0.021	ND	0.021	ND	0.021	ND	0.022	ND	0.021	ND
Nitrobenzene	NC	NC	0.021	ND	0.021	ND	0.021	ND	0.021	ND	0.022	ND	0.021	ND
N-Nitrosodimethylamine	NC	NC	0.021	ND	0.021	ND	0.021	ND	0.021	ND	0.022	ND	0.021	ND
N-nitroso-di-n-propylamine	NC	NC	0.021	ND	0.021	ND	0.021	ND	0.021	ND	0.022	ND	0.021	ND
N-Nitrosodiphenylamine	NC	NC	0.021	ND	0.021	ND	0.021	ND	0.021	ND	0.022	ND	0.021	ND
Pentachlorophenol	0.8	6.7	0.021	ND	0.021	ND	0.021	ND	0.021	ND	0.022	ND	0.021	ND
Phenanthrene	100	100	0.021	ND	0.021	ND	0.021	ND	0.021	ND	0.27		0.021	ND
Phenol	0.33	100	0.021	ND	0.021	ND	0.021	ND	0.021	ND	0.022	ND	0.021	ND
Pyrene	100	100	0.021	ND	0.021	ND	0.021	ND	0.021	ND	0.18		0.021	ND

Legend

mg/kg - milligrams per kilograms
NC - No criterion for evaluation of analytical parameter
ND - Analyte not detected at or above the indicated (reporting limit, method detection limit)
NT - Analyte not tested for
Gray bold and shaded values exceed the Part 375 Unrestricted Use Soil Cleanup Objectives

Notes

1. Evaluation criteria for soil sample results is the NYSDEC Part 375 Value for Unrestricted Use Soil Cleanup Objective and Restricted-Use Restricted Residential SCOs

Table 3
Pesticides and PCBs in Soil Samples
37-14 34th Street, Queens, NY 11101

Sample ID	**NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives**	**NYSDEC Part 375 Restricted Use Soil Cleanup Objectives - Restricted Residential**	SB-1		SB-1		SB-2		SB-2		SB-3		SB-3	
Sample Depth			(0'-2')		(12'-14')		(0'-2')		(12'-14')		(0'-2')		(12'-14')	
Lab Sample ID			15A0405-01		15A0405-02		15A0405-03		15A0405-04		15A0405-05		15A0405-06	
Sampling Date			1/14/2015		1/14/2015		1/14/2015		1/14/2015		1/14/2015		1/14/2015	
Sample Matrix			Soil		Soil		Soil		Soil		Soil		Soil	
Unit of Measure	**mg/kg**	**mg/kg**	mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg	
Dilution Factor			5		5		5		5		5		5	
4,4'-DDD	0.0033	13	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0026	ND	0.0025	ND
4,4'-DDE	0.0033	8.9	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0026	ND	0.0025	ND
4,4'-DDT	0.0033	7.9	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0026	ND	0.0025	ND
Aldrin	0.005	0.097	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0026	ND	0.0025	ND
alpha-BHC	0.02	0.48	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0026	ND	0.0025	ND
alpha-Chlordane	0.094	4.2	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0026	ND	0.0025	ND
beta-BHC	0.036	0.36	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0026	ND	0.0025	ND
Chlordane, total	NC	NC	0.10	ND	0.100	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND
delta-BHC	0.04	100	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0026	ND	0.0025	ND
Dieldrin	0.005	0.2	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0026	ND	0.0025	ND
Endosulfan I	2.4	24	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0026	ND	0.0025	ND
Endosulfan II	2.4	24	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0026	ND	0.0025	ND
Endosulfan sulfate	2.4	24	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0026	ND	0.0025	ND
Endrin	0.014	11	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0026	ND	0.0025	ND
Endrin aldehyde	NC	NC	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0026	ND	0.0025	ND
Endrin ketone	NC	NC	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0026	ND	0.0025	ND
gamma-BHC (Lindane)	0.1	1.3	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0026	ND	0.0025	ND
gamma-Chlordane	NC	NC	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0026	ND	0.0025	ND
Heptachlor	0.042	2.1	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0026	ND	0.0025	ND
Heptachlor epoxide	NC	NC	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0026	ND	0.0025	ND
Methoxychlor	NC	NC	0.013	ND	0.013	ND	0.013	ND	0.013	ND	0.013	ND	0.013	ND
Toxaphene	NC	NC	0.13	ND	0.13	ND	0.13	ND	0.13	ND	0.13	ND	0.13	ND
Dilution Factor			1		1		1		1		1		1	
Aroclor 1016	NC	NC	0.025	ND	0.025	ND	0.025	ND	0.025	ND	0.026	ND	0.026	ND
Aroclor 1221	NC	NC	0.025	ND	0.025	ND	0.025	ND	0.025	ND	0.026	ND	0.026	ND
Aroclor 1232	NC	NC	0.025	ND	0.025	ND	0.025	ND	0.025	ND	0.026	ND	0.026	ND
Aroclor 1242	NC	NC	0.025	ND	0.025	ND	0.025	ND	0.025	ND	0.026	ND	0.026	ND
Aroclor 1248	NC	NC	0.025	ND	0.025	ND	0.025	ND	0.025	ND	0.026	ND	0.026	ND
Aroclor 1254	NC	NC	0.025	ND	0.025	ND	0.025	ND	0.025	ND	0.026	ND	0.026	ND
Aroclor 1260	NC	NC	0.025	ND	0.025	ND	0.025	ND	0.025	ND	0.026	ND	0.026	ND
Total PCBs	0.1	1	0.025	ND	0.025	ND	0.025	ND	0.025	ND	0.026	ND	0.026	ND

Legend
mg/kg - milligrams per kilograms
NC - No criterion for evaluation of analytical parameter
ND - Analyte not detected at or above the indicated (reporting limit, method detection limit)
NT - Analyte not tested for
Gray bold and shaded values exceed the Part 375 Unrestricted Use Soil Cleanup Objectives

Notes
1. Evaluation criteria for soil sample results is the NYSDEC Part 375 Value for Unrestricted Use Soil Cleanup Objective and Restricted-Use Restricted Residential SCOs

Table 4
Metals in Soil Samples
37-14 34th Street, Queens, NY 11101

Sample ID	**NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives**	**NYSDEC Part 375 Restricted Use Soil Cleanup Objectives - Restricted Residential**	SB-1		SB-1		SB-2		SB-2		SB-3		SB-3	
Sample Depth			(0'-2')		(12'-14')		(0'-2')		(12'-14')		(0'-2')		(12'-14')	
Lab Sample ID			15A0405-01		15A0405-02		15A0405-03		15A0405-04		15A0405-05		15A0405-06	
Sampling Date			1/14/2015		1/14/2015		1/14/2015		1/14/2015		1/14/2015		1/14/2015	
Dilution Factor			1		1		1		1		1		1	
Sample Matrix			Soil		Soil		Soil		Soil		Soil		Soil	
Unit of Measure	**mg/kg**	**mg/kg**	mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg	
Aluminum	NC	NC	5,870		7,470		5,320		4,840		8,760		5,790	
Antimony	NC	NC	0.51	ND	0.50	ND	0.51	ND	0.51	ND	0.52	ND	0.51	ND
Arsenic	13	16	1.79		1.59		1.53		1.93		2.02		1.89	
Barium	350	400	36.80		48.20		47.50		29.90		54.80		32.20	
Beryllium	7.2	72	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND
Cadmium	2.5	4.3	0.31	ND	0.30	ND	0.30	ND	0.30	ND	0.31	ND	0.31	ND
Calcium	NC	NC	1,950		1,890		1,690		4,660		1,870		5,520	
Chromium	NC	NC	13.70		21.10		14.10		13.10		21.80		13.60	
Chromium, Hexavalent	1	110	0.51	ND	0.50	ND	0.51	ND	0.51	ND	0.52	ND	0.51	ND
Chromium, Trivalent	30	180	13.70		21.10		14.10		13.10		21.80		13.60	
Cobalt	NC	NC	6.71		8.15		6.56		6.31		7.96		6.38	
Copper	50	270	13.10		12.20		13.60		16		15.30		18.40	
Iron	NC	NC	12,200		13,800		12,500		12,200		15,500		12,000	
Lead	63	400	2.53		2.16		3.71		2.91		4.49		2.94	
Magnesium	NC	NC	2,850		5,250		2,520		3,970		4,410		5,520	
Manganese	1600	2000	274		251		284		241		314		260	
Mercury	0.18	0.81	0.031	ND	0.030	ND	0.030	ND	0.030	ND	0.031	ND	0.031	ND
Nickel	30	310	14.70		19.60		15.70		16.40		18.30		16.20	
Potassium	NC	NC	762		1,320		716		912		1,440		1,000	
Selenium	3.9	180	3.01		3.66		3.46		2.73		**4**		3.03	
Silver	2	180	0.51	ND	0.50	ND	0.51	ND	0.51	ND	0.52	ND	0.51	ND
Sodium	NC	NC	91.40		146		111		198		176		201	
Thallium	NC	NC	1.02	ND	1.01	ND	1.01	ND	1.01	ND	1.04	ND	1.02	ND
Vanadium	NC	NC	22.20		25.90		23.50		22.30		28		21.80	
Zinc	109	10000	33.60		39.60		25.20		26.70		38.50		28.80	

Legend

mg/kg - milligrams per kilograms
NC - No criterion for evalNDation of analytical parameter
ND - Analyte not detected at or above the indicated (reporting limit, method detection limit)
NT - Analyte not tested for
Gray bold and shaded values exceed the Part 375 Unrestricted Use Soil Cleanup Objectives

Notes

1. Evaluation criteria for soil sample results is the NYSDEC Part 375 Value for Unrestricted Use Soil Cleanup Objective and Restricted-Use Restricted Residential SCOs

Table 5
VOCs in Groundwater
37-14 34th Street, Queens, NY 11101

Sample ID	NYSDEC TOGS Standards and Guidance Values - GA	MW-1		MW-2	
Lab Sample ID		15A0464-01		15A0464-02	
Date Sampled		1/15/2015		1/15/2015	
Dilution Factor		1		1	
Sample Matrix		Water		Water	
Unit of Measure	ug/L	ug/L		ug/L	
1,1,1,2-Tetrachloroethane	5	0.20	ND	0.20	ND
1,1,1-Trichloroethane	5	0.20	ND	0.20	ND
1,1,2,2-Tetrachloroethane	5	0.20	ND	0.20	ND
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5	0.20	ND	0.20	ND
1,1,2-Trichloroethane	1	0.20	ND	0.20	ND
1,1-Dichloroethane	5	0.20	ND	0.20	ND
1,1-Dichloroethylene	5	0.20	ND	0.20	ND
1,2,3-Trichlorobenzene	5	0.20	ND	0.20	ND
1,2,3-Trichloropropane	0.04	0.20	ND	0.20	ND
1,2,4-Trichlorobenzene	5	0.20	ND	0.20	ND
1,2,4-Trimethylbenzene	5	0.20	ND	0.20	ND
1,2-Dibromo-3-chloropropane	0.04	0.20	ND	0.20	ND
1,2-Dibromoethane	5	0.20	ND	0.20	ND
1,2-Dichlorobenzene	3	0.20	ND	0.20	ND
1,2-Dichloroethane	0.6	0.20	ND	0.20	ND
1,2-Dichloropropane	1	0.20	ND	0.20	ND
1,3,5-Trimethylbenzene	5	0.20	ND	0.20	ND
1,3-Dichlorobenzene	3	0.20	ND	0.20	ND
1,4-Dichlorobenzene	3	0.20	ND	0.20	ND
1,4-Dioxane	NC	40	ND	40	ND
2-Butanone	50	0.20	ND	0.20	ND
2-Hexanone	50	0.20	ND	0.20	ND
4-Methyl-2-pentanone	NC	0.20	ND	0.20	ND
Acetone	50	2.60	B	2	JB
Acrolein	NC	0.20	ND	0.20	ND
Acrylonitrile	NC	0.20	ND	0.20	ND
Benzene	1	0.20	ND	0.20	ND
Bromochloromethane	5	0.20	ND	0.20	ND
Bromodichloromethane	50	0.20	ND	0.20	ND
Bromoform	50	0.20	ND	0.20	ND
Bromomethane	5	0.20	ND	0.20	ND
Carbon disulfide	NC	0.20	ND	0.20	ND
Carbon tetrachloride	5	0.20	ND	0.20	ND
Chlorobenzene	5	0.20	ND	0.20	ND
Chloroethane	5	0.20	ND	0.20	ND
Chloroform	7	1.50		1.60	
Chloromethane	5	0.20	ND	0.30	J
cis-1,2-Dichloroethylene	5	0.20	ND	0.20	ND
cis-1,3-Dichloropropylene	0.4	0.20	ND	0.20	ND
Cyclohexane	NC	0.20	ND	0.20	ND
Dibromochloromethane	50	0.20	ND	0.20	ND
Dibromomethane	NC	0.20	ND	0.20	ND
Dichlorodifluoromethane	5	0.20	ND	0.20	ND
Ethyl Benzene	5	0.20	ND	0.20	ND
Hexachlorobutadiene	0.5	0.20	ND	0.20	ND
Isopropylbenzene	5	0.20	ND	0.20	ND
Methyl acetate	NC	0.20	ND	0.20	ND
Methyl tert-butyl ether (MTBE)	10	0.20	ND	0.20	ND
Methylcyclohexane	NC	0.20	ND	0.20	ND
Methylene chloride	5	1	ND	1	ND
n-Butylbenzene	5	0.20	ND	0.20	ND
n-Propylbenzene	5	0.20	ND	0.20	ND
o-Xylene	5	0.20	ND	0.20	ND
p- & m- Xylenes	5	0.50	ND	0.50	ND
p-Isopropyltoluene	5	0.20	ND	0.20	ND
sec-Butylbenzene	5	0.20	ND	0.20	ND
Styrene	5	0.20	ND	0.20	ND
tert-Butyl alcohol (TBA)	NC	0.50	ND	0.50	ND
tert-Butylbenzene	5	0.20	ND	0.20	ND
Tetrachloroethylene	5	**13**		**6.40**	
Toluene	5	0.20	ND	0.20	ND
trans-1,2-Dichloroethylene	5	0.20	ND	0.20	ND
trans-1,3-Dichloropropylene	0.4	0.20	ND	0.20	ND
Trichloroethylene	5	**5**		2.50	
Trichlorofluoromethane	5	0.20	ND	0.20	ND
Vinyl Chloride	2	0.20	ND	0.20	ND
Xylenes, Total	5	0.60	ND	0.60	ND

Legend

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

B - analyte found in the analysis batch blank

µg/L - micrograms per liter

ND - Non-Detect-concentration less than the minimum detection limit.

NC - No evaluation criterion for analytical parameter

Bold and shaded value exceeds the New York State Class GA Groundwater Standard/Guidance Value for the indicated parameter

Notes

1. The groundwater evaluation criteria is the applicable NYSDEC Class GA Groundwater Standard and/or Guidance Value.

Table 6
SVOCs in Groundwater
37-14 34th Street, Queens, NY 11101

Sample ID	NYSDEC TOGS Standards and Guidance Values - GA	MW-1		MW-2	
Lab Sample ID		15A0464-01		15A0464-02	
Date Sampled		1/15/2015		1/15/2015	
Dilution Factor		1		1	
Sample Matrix		Water		Water	
Unit of Measure	ug/L	ug/L		ug/L	
1,1'-Biphenyl	NC	2.63	ND	2.63	ND
1,2,4,5-Tetrachlorobenzene	NC	2.63	ND	2.63	ND
1,2,4-Trichlorobenzene	5	2.63	ND	2.63	ND
1,2-Dichlorobenzene	3	2.63	ND	2.63	ND
1,2-Diphenylhydrazine (as Azobenzene)	NC	2.63	ND	2.63	ND
1,3-Dichlorobenzene	3	2.63	ND	2.63	ND
1,4-Dichlorobenzene	3	2.63	ND	2.63	ND
2,3,4,6-Tetrachlorophenol	NC	2.63	ND	2.63	ND
2,4,5-Trichlorophenol	1	2.63	ND	2.63	ND
2,4,6-Trichlorophenol	1	2.63	ND	2.63	ND
2,4-Dichlorophenol	5	2.63	ND	2.63	ND
2,4-Dimethylphenol	50	2.63	ND	2.63	ND
2,4-Dinitrophenol	10	2.63	ND	2.63	ND
2,4-Dinitrotoluene	5	2.63	ND	2.63	ND
2,6-Dinitrotoluene	5	2.63	ND	2.63	ND
2-Chloronaphthalene	10	2.63	ND	2.63	ND
2-Chlorophenol	1	2.63	ND	2.63	ND
2-Methylnaphthalene	NC	2.63	ND	2.63	ND
2-Methylphenol	1	2.63	ND	2.63	ND
2-Nitroaniline	5	2.63	ND	2.63	ND
2-Nitrophenol	1	2.63	ND	2.63	ND
3- & 4-Methylphenols	NC	2.63	ND	2.63	ND
3,3'-Dichlorobenzidine	5	2.63	ND	2.63	ND
3-Nitroaniline	5	2.63	ND	2.63	ND
4,6-Dinitro-2-methylphenol	NC	2.63	ND	2.63	ND
4-Bromophenyl phenyl ether	NC	2.63	ND	2.63	ND
4-Chloro-3-methylphenol	1	2.63	ND	2.63	ND
4-Chloroaniline	5	2.63	ND	2.63	ND
4-Chlorophenyl phenyl ether	NC	2.63	ND	2.63	ND
4-Nitroaniline	5	2.63	ND	2.63	ND
4-Nitrophenol	1	2.63	ND	2.63	ND
Acenaphthene	20	0.053	ND	0.053	ND
Acenaphthylene	NC	0.053	ND	0.053	ND
Acetophenone	NC	2.63	ND	2.63	ND
Aniline	5	2.63	ND	2.63	ND
Anthracene	50	0.053	ND	0.053	ND
Atrazine	NC	0.53	ND	0.53	ND
Benzaldehyde	NC	2.63	ND	2.63	ND
Benzidine	NC	10.50	ND	10.50	ND
Benzo(a)anthracene	0.002	0.053	ND	0.053	ND
Benzo(a)pyrene	0.002	0.053	ND	0.053	ND
Benzo(b)fluoranthene	0.002	0.053	ND	0.053	ND
Benzo(g,h,i)perylene	NC	0.053	ND	0.063	
Benzo(k)fluoranthene	0.002	0.053	ND	0.053	ND
Benzoic acid	NC	26.30	ND	26.30	ND
Benzyl alcohol	NC	2.63	ND	2.63	ND
Benzyl butyl phthalate	50	2.63	ND	2.63	ND
Bis(2-chloroethoxy)methane	5	2.63	ND	2.63	ND
Bis(2-chloroethyl)ether	1	2.63	ND	2.63	ND
Bis(2-chloroisopropyl)ether	5	2.63	ND	2.63	ND
Bis(2-ethylhexyl)phthalate	5	0.53	ND	0.53	ND
Caprolactam	NC	2.63	ND	2.63	ND
Carbazole	NC	2.63	ND	2.63	ND
Chrysene	0.002	0.053	ND	0.053	ND
Dibenzo(a,h)anthracene	NC	0.053	ND	0.084	
Dibenzofuran	NC	2.63	ND	2.63	ND
Diethyl phthalate	50	2.63	ND	2.63	ND
Dimethyl phthalate	50	2.63	ND	2.63	ND
Di-n-butyl phthalate	50	2.63	ND	2.63	ND
Di-n-octyl phthalate	50	2.63	ND	2.63	ND
Fluoranthene	50	0.053	ND	0.053	ND
Fluorene	50	0.053	ND	0.053	ND
Hexachlorobenzene	0.04	0.021	ND	0.021	ND
Hexachlorobutadiene	0.5	0.53	ND	0.53	ND
Hexachlorocyclopentadiene	5	2.63	ND	2.63	ND
Hexachloroethane	5	0.53	ND	0.53	ND
Indeno(1,2,3-cd)pyrene	0.002	0.053	ND	0.063	
Isophorone	50	2.63	ND	2.63	ND
Naphthalene	10	0.053	ND	0.053	ND
Nitrobenzene	0.4	0.26	ND	0.26	ND
N-Nitrosodimethylamine	NC	0.53	ND	0.53	ND
N-nitroso-di-n-propylamine	NC	2.63	ND	2.63	ND
N-Nitrosodiphenylamine	50	2.63	ND	2.63	ND
Pentachlorophenol	1	0.26	ND	0.26	ND
Phenanthrene	50	0.053	ND	0.053	ND
Phenol	1	2.63	ND	2.63	ND
Pyrene	50	0.053	ND	0.084	

Legend

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

B - analyte found in the analysis batch blank

µg/L - micrograms per liter

ND - Non-Detect-concentration less than the minimum detection limit.

NC - No evaluation criterion for analytical parameter

Bold and shaded value exceeds the New York State Class GA Groundwater Standard/Guidance Value for the indicated parameter

Notes

1. The groundwater evaluation criteria is the applicable NYSDEC Class GA Groundwater Standard and/or Guidance Value.

Table 7
Pesticides and PCBs in Groundwater
37-14 34th Street, Queens, NY 11101

Sample ID	**NYSDEC TOGS Standards and Guidance Values - GA**	**MW-1**		**MW-2**	
Lab Sample ID		**15A0464-01**		**15A0464-02**	
Date Sampled		**1/15/2015**		**1/15/2015**	
Dilution Factor		**1**		**1**	
Sample Matrix		**Water**		**Water**	
Unit of Measure	**ug/L**	**ug/L**		**ug/L**	
4,4'-DDD	0.3	0.0041	ND	0.0042	ND
4,4'-DDE	0.2	0.0041	ND	0.0042	ND
4,4'-DDT	0.2	0.0041	ND	0.0042	ND
Aldrin	NC	0.0041	ND	0.0042	ND
alpha-BHC	0.01	0.0041	ND	0.0042	ND
alpha-Chlordane	NC	0.0041	ND	0.0042	ND
beta-BHC	0.04	0.0041	ND	0.0042	ND
Chlordane, total	0.05	0.041	ND	0.042	ND
delta-BHC	0.04	0.0041	ND	0.0042	ND
Dieldrin	0.004	0.0021	ND	0.0021	ND
Endosulfan I	NC	0.0041	ND	0.0042	ND
Endosulfan II	NC	0.0041	ND	0.0042	ND
Endosulfan sulfate	NC	0.0041	ND	0.0042	ND
Endrin	NC	0.0041	ND	0.0042	ND
Endrin aldehyde	5	0.010	ND	0.011	ND
Endrin ketone	5	0.010	ND	0.011	ND
gamma-BHC (Lindane)	0.05	0.0041	ND	0.0042	ND
gamma-Chlordane	NC	0.010	ND	0.011	ND
Heptachlor	0.04	0.0041	ND	0.0042	ND
Heptachlor epoxide	0.03	0.0041	ND	0.0042	ND
Methoxychlor	35	0.0041	ND	0.0042	ND
Toxaphene	0.06	0.10	ND	0.11	ND
Aroclor 1016	NC	0.051	ND	0.053	ND
Aroclor 1221	NC	0.051	ND	0.053	ND
Aroclor 1232	NC	0.051	ND	0.053	ND
Aroclor 1242	NC	0.051	ND	0.053	ND
Aroclor 1248	NC	0.051	ND	0.053	ND
Aroclor 1254	NC	0.051	ND	0.053	ND
Aroclor 1260	NC	0.051	ND	0.053	ND
Total PCBs	0.09	0.051	ND	0.053	ND

Legend

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

B - analyte found in the analysis batch blank

µg/L - micrograms per liter

ND - Non-Detect-concentration less than the minimum detection limit.

NC - No evaluation criterion for analytical parameter

Bold and shaded value exceeds the New York State Class GA Groundwater Standard/Guidance Value for the indicated parameter

Notes

1. The groundwater evaluation criteria is the applicable NYSDEC Class GA Groundwater Standard and/or Guidance Value.

Table 8
Target Analyte List Metals in Groundwater
37-14 34th Street, Queens, NY 11101

Sample ID	**NYSDEC TOGS Standards and Guidance Values - GA**	**MW-1**		**MW-2**	
Lab Sample ID		**15A0464-01**		**15A0464-02**	
Date Sampled		**1/15/2015**		**1/15/2015**	
Dilution Factor		**1**		**1**	
Sample Matrix		**Water**		**Water**	
Unit of Measure	**ug/L**	**ug/L**		**ug/L**	
Aluminum	NC	47,500		63,700	
Antimony	3	5	ND	5	ND
Arsenic	25	8		16	
Barium	1000	577		958	
Beryllium	3	1	ND	1	ND
Cadmium	5	3	ND	3	ND
Calcium	NC	312,000		174,000	
Chromium	50	**313**		**194**	
Cobalt	NC	65		200	
Copper	200	162		**508**	
Iron	NC	82,200		186,000	
Lead	25	25		**121**	
Magnesium	35000	**147,000**		**118,000**	
Manganese	300	**2,370**		**9,500**	
Mercury	0.7	0.20	ND	0.20	ND
Nickel	100	**148**		**380**	
Potassium	NC	19,800		18,700	
Selenium	10	**12**		**36**	
Silver	50	5	ND	5	ND
Sodium	20000	**139,000**		**112,000**	
Thallium	NC	5	ND	5	ND
Vanadium	NC	115		174	
Zinc	2000	281		685	

Legend

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

B - analyte found in the analysis batch blank

µg/L - micrograms per liter

ND - Non-Detect-concentration less than the

NC - No evaluation criterion for analytical

Bold and shaded value exceeds the New York State Class GA Groundwater Standard/Guidance Value for the indicated parameter

Notes

1. The groundwater evaluation criteria is the applicable NYSDEC Class GA Groundwater Standard and/or Guidance Value.

Table 9
Dissolved Metals in Groundwater
37-14 34th Street, Queens, NY 11101

Sample ID	**NYSDEC TOGS Standards and Guidance Values - GA**	**MW-1**		**MW-2**	
Lab Sample ID		**15A0464-01**		**15A0464-02**	
Date Sampled		**1/15/2015**		**1/15/2015**	
Dilution Factor		**1**		**1**	
Sample Matrix		**Water**		**Water**	
Unit of Measure	**ug/L**	**ug/L**		**ug/L**	
Aluminum	NC	12		10	ND
Antimony	3	5	ND	5	ND
Arsenic	25	4	ND	4	ND
Barium	1000	80		45	
Beryllium	3	1	ND	1	ND
Cadmium	5	3	ND	3	ND
Calcium	NC	89,100		67,400	
Chromium	50	**168**		5	ND
Chromium, Hexavalent	50	**165**		10	ND
Chromium, Trivalent	NC	148		194	
Cobalt	NC	5	ND	5	ND
Copper	200	3	ND	3	ND
Iron	NC	20	ND	20	ND
Lead	25	3	ND	3	ND
Magnesium	35000	**37,900**		24,800	
Manganese	300	119		256	
Mercury	0.7	0.20	ND	0.20	ND
Nickel	100	9		5	ND
Potassium	NC	6,090		3,440	
Selenium	10	10	ND	10	ND
Silver	50	5	ND	5	ND
Sodium	20000	**129,000**		**105,000**	
Thallium	NC	5	ND	5	ND
Vanadium	NC	10	ND	10	ND
Zinc	2000	10	ND	10	ND

Legend

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

B - analyte found in the analysis batch blank

µg/L - micrograms per liter

ND - Non-Detect-concentration less than the

NC - No evaluation criterion for analytical

Bold and shaded value exceeds the New York State Class GA Groundwater Standard/Guidance Value for the indicated parameter

Notes

1. The groundwater evaluation criteria is the applicable NYSDEC Class GA Groundwater Standard and/or Guidance Value.

Table 10
Soil Vapor Sampling Results
Volatile Organic Compounds
37-14 34th Street, Queens, NY 11101

Sample ID **Lab Sample ID** **Sampling Date** **Dilution Factor** **Sample Matrix** **Unit of Measure**	**Soil Vapor Evaluation Criteria**	SV-1 (Y35) 15A0461-01 1/15/2015 21 Soil Vapor ug/m^3	
1,1,1-Trichloroethane	1,000	**40**	D
1,1,2,2-Tetrachloroethane	NC	14	ND
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	NC	16	ND
1,1,2-Trichloroethane	NC	11	ND
1,1-Dichloroethane	NC	8.50	ND
1,1-Dichloroethylene	NC	8.30	ND
1,2,4-Trichlorobenzene	NC	16	ND
1,2,4-Trimethylbenzene	NC	**10**	D
1,2-Dibromoethane	NC	16	ND
1,2-Dichlorobenzene	NC	13	ND
1,2-Dichloroethane	NC	8.50	ND
1,2-Dichloropropane	NC	9.70	ND
1,2-Dichlorotetrafluoroethane	NC	15	ND
1,3,5-Trimethylbenzene	NC	10	ND
1,3-Butadiene	NC	9.10	ND
1,3-Dichlorobenzene	NC	13	ND
1,4-Dichlorobenzene	NC	13	ND
1,4-Dioxane	NC	7.60	ND
2-Butanone	NC	**9.90**	D
2-Hexanone	NC	17	ND
4-Methyl-2-pentanone	NC	8.60	ND
Acetone	NC	**130**	D
Benzene	NC	6.70	ND
Benzyl chloride	NC	11	ND
Bromodichloromethane	NC	13	ND
Bromoform	NC	22	ND
Bromomethane	NC	8.20	ND
Carbon disulfide	NC	6.50	ND
Carbon tetrachloride	250	3.30	ND
Chlorobenzene	NC	9.70	ND
Chloroethane	NC	5.50	ND
Chloroform	NC	10	ND
Chloromethane	NC	4.30	ND
cis-1,2-Dichloroethylene	NC	8.30	ND
cis-1,3-Dichloropropylene	NC	9.50	ND
Cyclohexane	NC	7.20	ND
Dibromochloromethane	NC	17	ND
Dichlorodifluoromethane	NC	10	ND
Ethyl acetate	NC	15	ND
Ethyl Benzene	NC	**11**	D
Hexachlorobutadiene	NC	22	ND
Isopropanol	NC	10	ND
Methyl Methacrylate	NC	8.60	ND
Methyl tert-butyl ether (MTBE)	NC	7.60	ND
Methylene chloride	NC	15	ND
n-Heptane	NC	8.60	ND
n-Hexane	NC	7.40	ND
o-Xylene	NC	**28**	D
p- & m- Xylenes	NC	**57**	D
p-Ethyltoluene	NC	**10**	D
Propylene	NC	3.60	ND
Styrene	NC	8.90	ND
Tetrachloroethylene	1,000	**3,000**	D
Tetrahydrofuran	NC	6.20	ND
Toluene	NC	7.90	ND
trans-1,2-Dichloroethylene	NC	8.30	ND
trans-1,3-Dichloropropylene	NC	9.50	ND
Trichloroethylene	250	**95**	D
Trichlorofluoromethane (Freon 11)	NC	**15**	D
Vinyl acetate	NC	7.40	ND
Vinyl Chloride	NC	1.30	ND

Legend
NC - No criterion for evaluation of analytical parameter
ND - Analyte not detected at or above the level indicated
D - Result is from an analysis that required a dilution
Bolded values are detected compounds
Shaded bold values are detected compounds that exceed the evaluation criteria

Note
1. Evaluation criteria for sub-slab vapor is the concentration for a Matrix 1 and Matrix 2 compound that warrant mitigation regardless of the indoor air concentration

APPENDIX A

PREVIOUS PHASE I ESA

2014

ESA-I

37-14/18 34th Street
Long Island City NY 11101

Environmental Site Assessment – Phase I

SAI Environmental Consultants
50-01 25th Avenue Suite 109 – Woodside NY 11377
06/30/2014

ENVIRONMENTAL SITE ASSESSMENT
PHASE I

37-14 34th Street
LIC NY 11101

PREPARED FOR:

Mrs. Elena Karacosta
c/o Empire Holdings Group 3
10 Harbor Park Drive
Port Washington NY 11050

PREPARED BY:

SAI Environmental Consultants
5001 25th Avenue – Suite 109
Woodside NY 11377

June 30th, 2014
Project Number: 20140611-0001

SAI Environmental Consultants
5001 25th Avenue – Suite 109
Woodside NY 11377

June 24th , 2014
Project Number: 20140611-0001

Mrs. Elena Karacosta
c/o Empire Holdings Group 3
10 Harbor Park drive
Port Washington NY 11050

Attention: **Mrs. Elena Karacosta**

Re: **Environmental Site Assessment - Phase I Report**
37-14/18 34thStreet – Long Island City NY 11101

SAI Environmental Consultants is pleased to submit our report describing the findings of the Environmental Site Assessment – Phase I (ESA-I) of **37-14/18 34thStreet – Long Island City NY 11101**. This assessment was prepared in general accordance with the American Society of Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (ASTM Designation: E1527-05).

The purpose of the ESA-I was to identify, to the extent feasible, recognized environmental concerns in connection with the property. This assessment included a site reconnaissance as well as research and interviews with representatives of the public, property management, and regulatory agencies.

If you have any questions or require further clarification of the report findings, please contact the undersigned at your convenience. Thank you for the opportunity to be of service.

Yours very truly,

SAI Environmental Consultants

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I. EXECUTIVE SUMMARY

The purpose of this ESA-I was to identify, to the extent feasible, recognized environmental conditions or issues in connection with the property that may require further investigation and/or mitigation and to evaluate the property's compliance with applicable Federal, State and local environmental regulations, and identify any environmental issues.

The scope of work for this assessment was in general accordance with the American Society of Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (ASTM Designation: E1527-05). These methodologies are described as representing good commercial and customary practice for conducting an ESA of a property for the purpose of identifying recognized environmental conditions. The report contains all of the limitations inherent in these methodologies. No other warranties, expressed or implied, are made as to the professional services provided under the terms of our contract and included in this report.

This report may be distributed and relied upon by Client, its successors and assigns. Reliance on the information and conclusions in this report by any other person or entity is not authorized without the written consent of SAI Environmental Consultants.

The subject property site description is listed below:

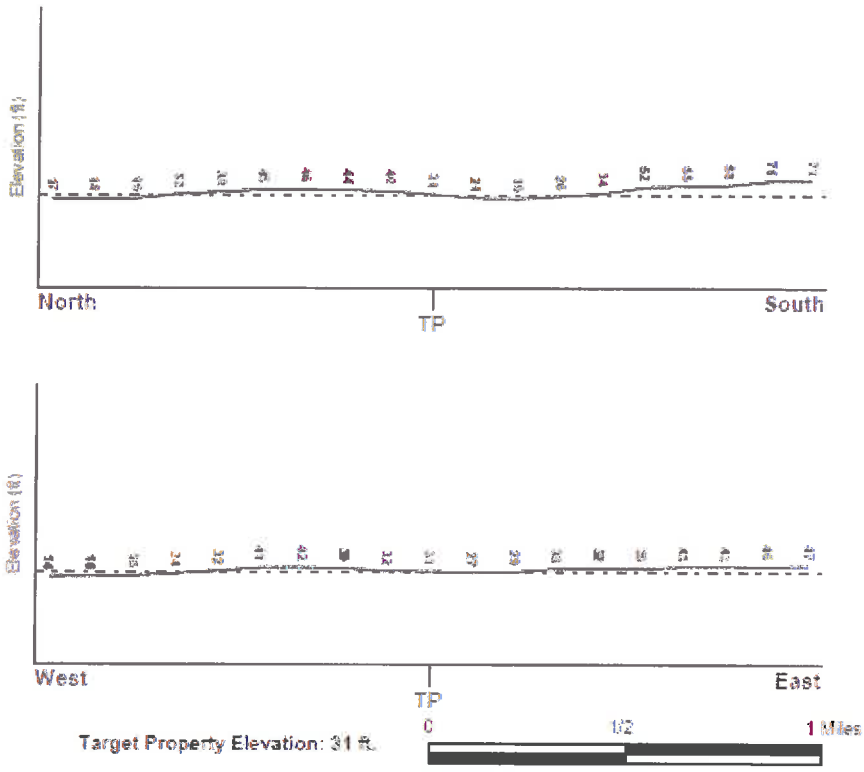
Address:	37-14/18 34thStreet – Long Island City NY 11101
County and State:	Queens County, New York State
Location:	North – East side of 34th Street between 37th and 38th Avenue in Long Island City, NYC
Land use:	Primary land use: Manufacturing
Zoning:	Zoning map: 9b - Zoning: M1-2/R6A (Mixed Use District - Manufacturing zoning with Residential use)
Landmark:	Designated historic desitrict: No
Borough–Block–Lot:	4 – 375 – 24
Lot size:	100.00 ft x 195.21 ft = 19,521.00 ft^3 = 0.448 acres
Building size:	100.00 ft x 195.21 ft = 19,521.00 ft^3
Property Profile Overview, PPO:	The property is not located in an area that may be affected by Tidal Wetlands, Freshwater Wetlands, or Coastal Hazard Area. The Department of Finance classification is: O9 – Miscellaneous Office Building
Environmental Designation	The property is listed as E-Designation site for Hazardous materials and Air Quality - #2 Fuel Oil or Nature Gas Heat and Hot Water. An (E) designation provides notice of the presence of an environmental requirement pertaining to potential hazardous materials contamination, high ambient noise levels or air emission concerns on a particular tax lot. (E) designations, governed by Sections 11-15 (Environmental Requirements) of the Zoning Resolution, are established in connection with a change in zoning or an action pursuant to a provision of the Zoning Resolution that would allow additional development to occur on property, or would permit uses not currently allowed. An (E) designation is not a notice of a building violation. The E-designation would require that, prior to the New York City Department of Buildings (DOB) issuing permits associated with redevelopment, the property owner conduct Phase I and Phase II ESAs, and remediation where appropriate, to the satisfaction of the New York City Department of Environmental Protection [DEP] pursuant to Section 11-15 of the Zoning Resolution—Environmental Requirements. The E-designation also requires mandatory construction-related health and safety plans (HASPs), which must also be approved by DEP. As properties are acquired by the City, it is anticipated that a Restrictive Declaration would be placed on them, which would supersede the E-designation, but require implementation of the same measures. Any new residential and/or commercial development must use No. 2 oil or natural gas as the type of fuel for HVAC systems, and ensure that the boiler stack(s) is located at least 40 feet from the lot line facing 37th

	Ave when firing No. 2 oil, and at least 20 feet from the lot line facing 37th Ave when firing natural gas, to avoid any potential significant air quality impacts.
Address Information from Department of City Planning	The property is registered at the Department of City Planning with following addresses: 37-12 to 37-18 34th Street and 37-11 to 37-19 33rd Street.
Certificate of Occupancy, CoO	First one is dated 1949 and is listed for warehouse and factory. Certificate of Occupancy dated 1998 and is listed for cellar with boilrer room, first floor consisting of office and accessory room. Latest one is dated 2006 and is listed for cellar with boiler room, first floor consisting of office and accessory parking for eleven (11) cars.
Open Department of Buildings (DOB) violations:	None
Open Environmental Control Board (ECB) violations:	None
Coastal Zone Boundary	The property is inside coastal zone boundary
EDR Findings	The subject property is listed on NY Spill, NY LTANKS and Environmental Designation lists. There is a US Historical Auto Station listed on EDR High Risk Historical Records list as a 3711 33rd Street that is registered for "3711 Auto Center" and is located at the target property. Also, EDR-City Directory Abstract reveals that 3714 34th Street is registered for "Erthal Auto Reprs" in 1934 and as "Metaloc Corp" from 1962 to 1991. Furthermore, 3711 33rd Street is registered for "Oscar Auto Repair" in 1991, "3711 Auto Center" in 2000, "3711 Auto CTR 1s" in 2005, "3711 33rd St Auto Center" in 2008 and "Neighborhood & Family Health Center" in 2013. Further ditails are represented below. EDR Data reveals that there is a total of 58 US Historical Auto Station sites within ¼ miles of the target property and 14 US Historical Cleaners sites within ¼ miles of the target property. There is one Historical Cleaner that is located at the adjacent property and is listed for "Minerva Cleaners and Tailors". There is one site at the National Priority List database (NPL), also known as Superfund within one mile radius that is called NEWTOWN CREEK and is located at the South End of Ivy Hill. This site is registered for a contaminated sediment plume resulting from numerous industrial activities along Newtown Creek. Contaminants found at the site are as follows: Cadmium, Chromium, Lead, Mercury, Selenium, Toxaphene, Chlordane, Heptachlore and its Epoxide and Arsenic. There are 3 NY BROWNFIELDS sites within 0.5 miles of target property. Two are located up-gradient and are "Teitelbaum Cleaners" located at 35-45 35th Street and "Fresh Cleaners & Laundry Inc." located at 39-26 30th Street. The "Silver Star Auto Resources LLC" is located at 37-14 36th Street and is down-gradient and within 1/8 mile from Target Property. This Site also has been used by several companies, including a gasoline service station, an automobile repair and carwash and an automotive dealership. There is one site located within 1/8 mile from the target property called "King-Image Technologies" located at 33-06 37th Avenue is up-gradient and is listed at: RCRA-SQG (Small Quantity Generator), FINDS and NY Manifest lists. There are two NY VAPOR REOPENED and NY Voluntary Cleanup Agreements (VCP) sites located within 0.5 miles from target property. One site is called "LEVCO METALS PROPERTY" and is located up-gradient at 34-1 36th Street and second one is called "STANDARD MOTOR PRODUCTS, INC." down-gradient and located at 37-18 Northern Boulevard. There are 42 NY LTANKS sites within approximately 0.5 miles of target property. Three of 42 sites are located up-gradient and within 1/8 miles of target property and all Spills are closed. There are 21 NY UST sites within 0.25 miles from target property. Six Underground Storage Tanks are located within 1/8 miles from target property. There is total of 49 Above Ground Storage Tanks (AST) within 0.25 miles. 17 of 49 ASTs are located within 1/8 miles from target property.

Sanborn Fire Insurance maps show the presence of developments and activities on site.

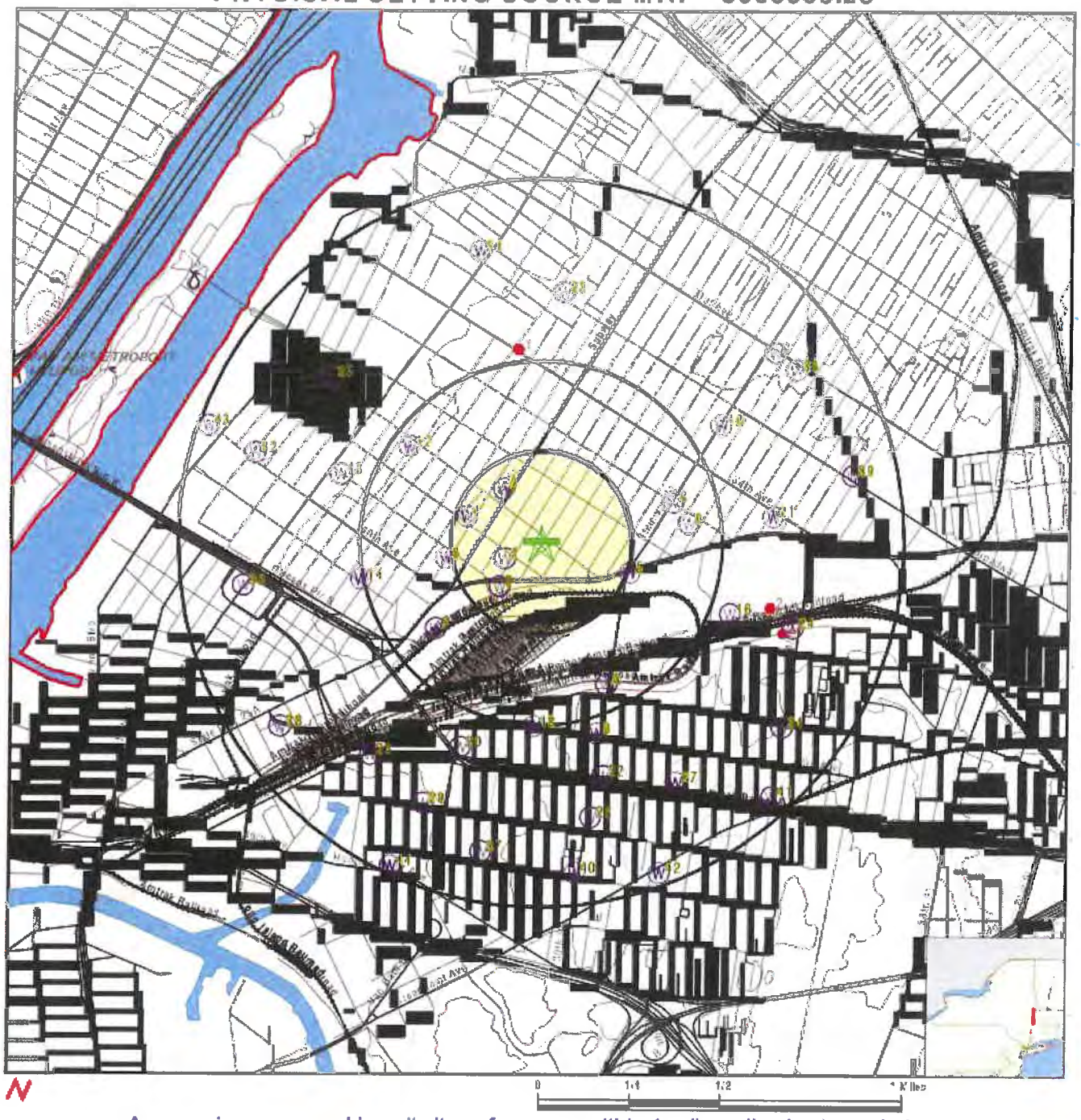
The basic topographic, geologic and hydrologic information for the site is summarized below:

Coordinates and elevation:	TARGET PROPERTY INFORMATION ADDRESS 37-14 34TH STREET LONG ISLAND CITY, NY 11101 COORDINATES Latitude (North): 40.7535000 - 40° 45' 12.60" Longitude (West): 73.9290000 - 73° 55' 44.40" Universal Tranverse Mercator: Zone 18 UTM X (Meters): 590410.7 UTM Y (Meters): 4511734.0 Elevation: 31 ft. above sea level USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY Target Property Map: 40073-G8 CENTRAL PARK, NY NJ Most Recent Revision: 1995 South Map: 40073-F8 BROOKLYN, NY Most Recent Revision: 1995

Topographic:	TARGET PROPERTY TOPOGRAPHY General Topographic Gradient: **General SSE** SURROUNDING TOPOGRAPHY: ELEVATION PROFILES  Target Property Elevation: 31 ft. Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

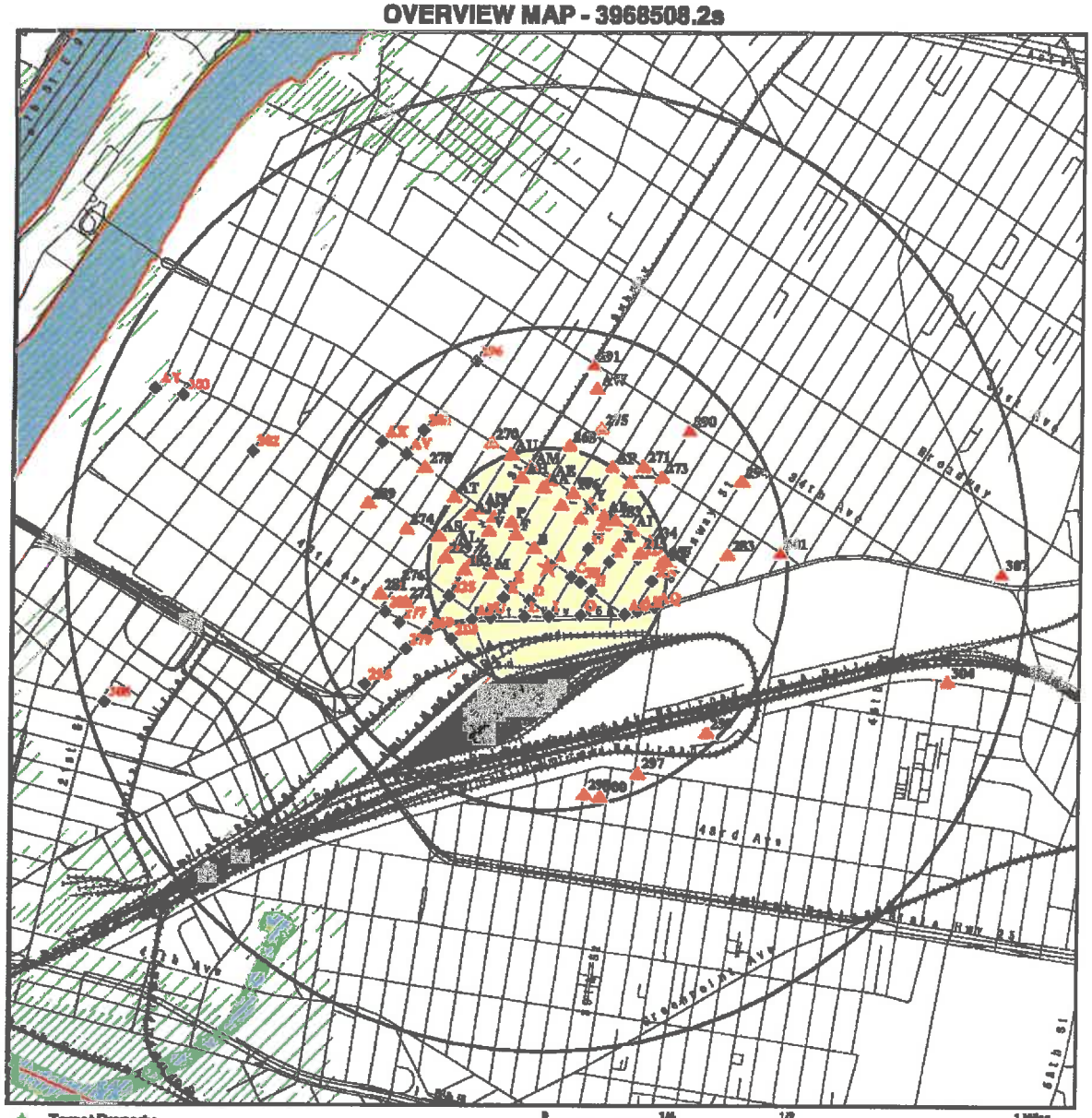
A map showing the hydrologic characteristics of the area within 1-mile radius around the target property is shown below.

PHYSICAL SETTING SOURCE MAP - 3968508.2s



An overview map marking all sites of concern within 1-mile radius is shown below.

OVERVIEW MAP - 3968508.2s



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- County Boundary
- Oil & Gas pipelines from USGS
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands

0 1/4 1/2 1 Miles

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 37-14/18 34TH STREET ADDRESS: 37-14 34TH STREET LONG ISLAND CITY NY 11101 LAT/LONG: 40.7535 / 73.929	CLIENT: SAI Environmental Consultants Inc CONTACT: BILL BELLOS INQUIRY #: 3968508.2s DATE: June 11, 2014 2:20 pm

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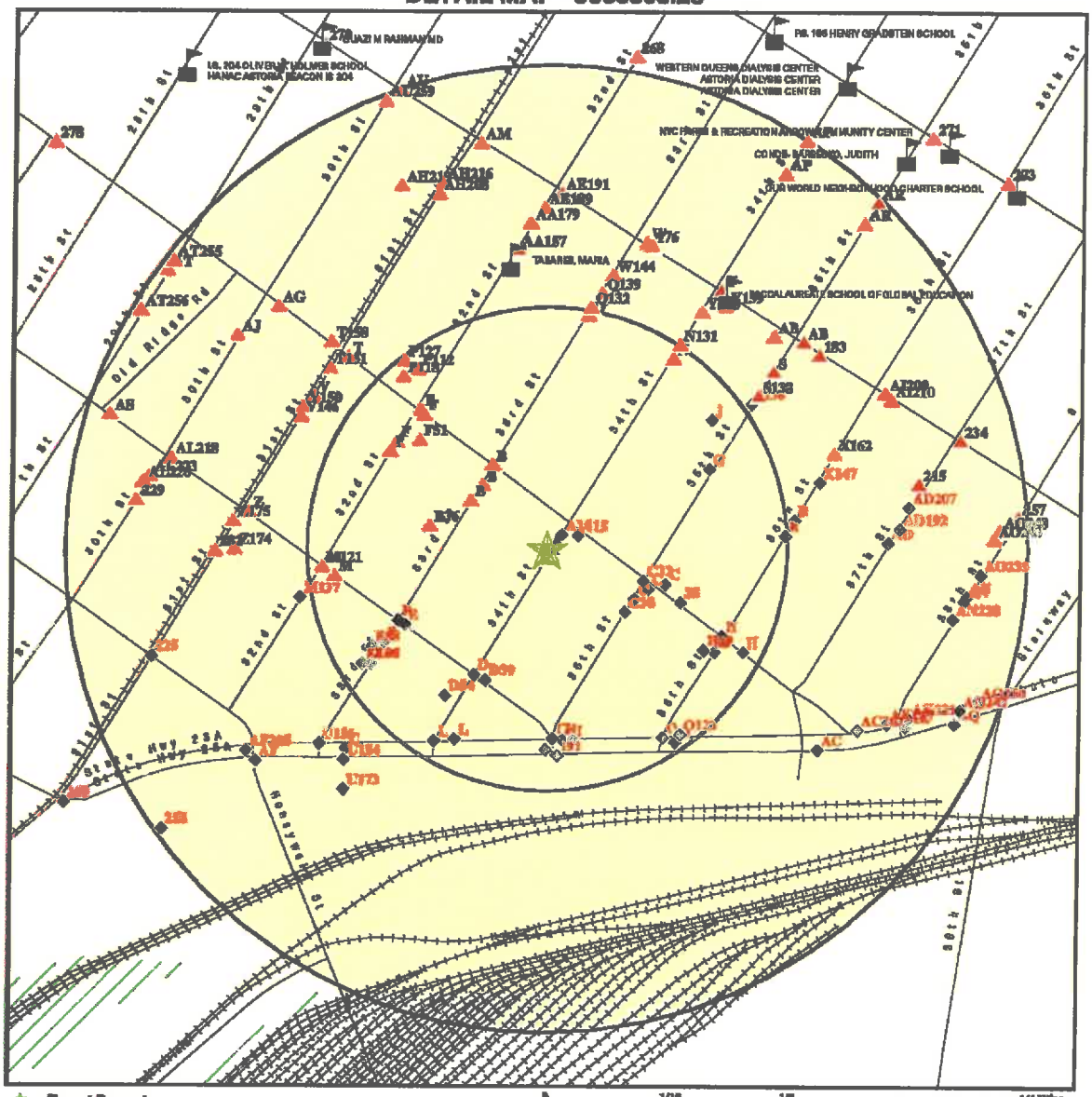
A detailed map within ¼-mile radius is shown below.

DETAIL MAP - 3968508.2s



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Oil & Gas pipelines from USGS
- 100-year flood zone
- 500-year flood zone

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 37-14/18 34TH STREET ADDRESS: 37-14 34TH STREET LONG ISLAND CITY NY 11101 LAT/LONG: 40.7535 / 73.929	CLIENT: SAI Environmental Consultants Inc CONTACT: BILL BELLOS INQUIRY #: 3968508.2s DATE: June 11, 2014 2:28 pm

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The property is outside of 500-year flood zone and 100-year flood zone.

The property has an "E" environmental designation (E-218) for Hazardous materials and Air Quality - #2 Fuel Oil or Nature Gas Heat and Hot Water.

An (E) designation provides notice of the presence of an environmental requirement pertaining to potential hazardous materials contamination, high ambient noise levels or air emission concerns on a particular tax lot. (E) designations, governed by Sections 11-15 (Environmental Requirements) of the Zoning Resolution, are established in connection with a change in zoning or an action pursuant to a provision of the Zoning Resolution that would allow additional development to occur on property, or would permit uses not currently allowed. An (E) designation is not a notice of a building violation.

The E-designation would require that, prior to the New York City Department of Buildings (DOB) issuing permits associated with redevelopment, the property owner conduct Phase I and Phase II ESAs, and re mediation where appropriate, to the satisfaction of the New York City Department of Environmental Protection ([DEP] pursuant to Section 11-15 of the Zoning Resolution—Environmental Requirements). The E-designation also requires mandatory construction-related health and safety plans (HASPs), which must also be approved by DEP. As properties are acquired by the City, it is anticipated that a Restrictive Declaration would be placed on them, which would supersede the E-designation, but require implementation of the same measures.

Any new residential and/or commercial development must use No. 2 oil or natural gas as the type of fuel for HVAC systems, and ensure that the boiler stack(s) is located at least 40 feet from the lot line facing 37th Ave when firing No. 2 oil, and at least 20 feet from the lot line facing 37th Ave when firing natural gas, to avoid any potential significant air quality impacts.

The property is not in a designated historic landmark district.

Some basic financial/taxation information is shown below (source: New York City Department of Buildings, NYCDOB).

The property is registered at the Department of City Planning with following addresses: 37-12 to 37-18 34th Street and 37-11 to 37-19 33rd Street.

The property does not have any open Department of Buildings (DOB) or Environmental Control Board (ECB) violations listed.

First available Certificate of Occupancy (CoO) for this property (dated September 16, 1949) and is listed for warehouse and factory. Certificate of Occupancy dated October 2, 1998 and is listed for cellar with boilrer room, first floor consisting of office and accessory room. The latest one is dated February 25, 2006 and is listed for cellar with boiler room, first floor consisting of office and accessory parking for eleven (11) cars.

SAI Environmental Consultants performed an ESA-I of the property located at the subject property. A site reconnaissance by SAI Environmental Consultants personnel, **Mr. Bill Bellos**, occurred on **Tuesday, June 24th, 2014 at 11:00 a.m.** Photos taken are presented in Appendix B.

There is one (1) building on the site. The building occupies entire lot and has stucco façade on the side that is facing 3rd Street. The building has a brick façade facing 34th Street, garage access and handicap access. Building is used as a health center and it has hallways, patient rooms a couple of bathrooms and conference room.

The roofing and building materials of this structure may be asbestos containing material (ACM) as well as vinyl flooring, vinyl coves, sheetrock and ceiling tiles.

Apparently the property is being use and/or has been used as a health center. However, no Historical Recognized Environmental Conditions (HREC) were identified as a result of activities or conditions at the subject property. The adjacent building that is facing 33rd Street is used as an auto repair shop. De minimis environmental condition was identified at the target or nearby properties.

The terms, Recognized Environmental Conditions (RECs), Historical Recognized Environmental Conditions (HRECs), and De Minimis Environmental Conditions (DMEC) are defined below.

No hazardous waste was identified on site. In order to identify the presence of any hazardous material or waste in the soil, proper sampling and lab analysis are required.

There were no indications of improper management of non-hazardous wastes.

No impoundments or other unusual land uses were identified during the site inspection.

There were no transformers or capacitors identified on the subject property.

A visual asbestos survey confirmed the presence of presumed asbestos containing materials (PACMs) such as vinyl tiles and coves, sheetrock and ceiling tiles. Also, the roofing and building materials of the structure may contain ACM. For ACM fibers in the soil, proper sampling and lab analysis are required.

During the site reconnaissance, a visual lead survey did not confirm the presence of any lead-based paint. For lead contamination in the soil, proper sampling and lab analysis are required.

No interviews were conducted.

The site does not appear to be situated within a high risk radon zone although the survey data cannot be extrapolated to a specific locality or parcel of land. The recommended action limit is 4.0 pCi/L (picocuries per liter).

The site is located inside of coastal zone boundary.

The subject property is listed on E DESIGNATION list for E-218 since October 7, 2008. E Designation is for Hazardous Materials which include Phase I and Phase II Environmental Site Assessments as Testing Protocols and Exhaust stack Location Limits for #2 Fuel Oil or Natural Gas Heat and Hot Water.

The subject property is listed for one Spill. Spill No. 9304387 was reported on July 8, 1993. Unknown amount of #2 Fuel Oil was spilled due to 1,000 gal. equipment failure. Sample was collected and tested, and laboratory results showed presence of Total Petroleum Hydrocarbon Content (TPHC). According to remarks soil borings had to be installed. Corrective actions were taken and spill was closed on March 08, 1994.

The Site is registered in the NY LTANKS list. Spill No. 9212419 was reported on February 2, 1993. A Tank Tester reported a #2 Fuel Oil leak. Corrective actions were taken and spill was closed on March 8, 1994.

EDR data shows that all surrounding properties are on E DESIGNATION list as E-218.

There is a US Historical Auto Station listed on EDR High Risk Historical Records list as a 3711 33rd Street that is registered for "3711 Auto Center" and is located at the target property.

EDR-City Directory Abstract reveals that 3714 34th Street is registered for "Erthal Auto Reprs" in 1934 and as "Metaloc Corp" from 1962 to 1991. Furthermore, 3711 33rd Street is registered for "Oscar Auto Repair" in

1991, "3711 Auto Center" in 2000, "3711 Auto CTR 1s" in 2005, "3711 33rd St Auto Center" in 2008 and "Neighborhood & Family Health Center" in 2013.

EDR Data reveals that there are total 58 US Historical Auto Station sites within ¼ miles of the target property and 14 US Historical Cleaners sites within ¼ miles of the target property. There is one Historical Cleaners that is located at the adjacent property and is listed for "Minerva Cleaners and Tailors". These historical Auto Stations and Historical Cleaners are classified as "High Risk Historical Records". There is one site at the National Priority List database (NPL), also known as Superfund within one mile radius that is called NEWTOWN CREEK and is located at the South End of Ivy Hill. This site is registered for a contaminated sediment plum resulting from numerous industrial activities along Newtown Creek.

Contaminants found at the site are as follows: Cadmium, Chromium, Lead, Mercury, Selenium, Toxaphene, Chlordane, Heptachlore and its Epoxide and Arsenic. There are 3 NY BROWNFIELDS sits within 0.5 miles of target property. Two of total 3 sites are located up-gradient and are "Teitelbaum Cleaners" located at 35-45 35th Street and "Fresh Cleaners & Laundry Inc." located at 39-26 30th Street. The "Silver Star Auto Resources LLC" is located at 37-14 36th Street and is down-gradient and within 1/8 mile from Target Property. This Site also has been used by several companies, including a gasoline service station, an automobile repair and carwash and an automotive dealership. There is one site located within 1/8 mile from the target property called "King-Image Technologies" located at 33-06 37th Avenue is up-gradient and is listed at: RCRA-SQG (Small Quantity Generator), FINDS and NY Manifest lists. There are two NY VAPOR REOPENED and NY Voluntary Cleanup Agreements (VCP) sites located within 0.5 miles from target property. One site is called "LEVCO METALS PROPERTY" and is located up-gradient at 34-1 36th Street and second one is called "STANDARD MOTOR PRODUCTS, INC." down-gradient and located at 37-18 Northern Boulevard. There are 42 NY LTANKS sites within approximately 0.5 miles of target property. Thre of 42 sites are located up-gradient and within 1/8 miles of target property and all Spills are closed. There are 21 NY UST sites within 0.25 miles from target property. Six Underground Storage Tanks are located within 1/8 miles from target property. There is total of 49 Above Ground Storage Tanks (AST) within 0.25 miles. 17 of 49 ASTs are located within 1/8 miles from target property.

According to EDR Data the E-designation would require that, prior to the New York City Department of Buildings (DOB) issuing permits associated with redevelopment, the property owner conduct Phase I and Phase II ESAs, and re mediation where appropriate, to the satisfaction of the New York City Department of Environmental Protection ([DEP] pursuant to Section 11-15 of the Zoning Resolution—Environmental Requirements). The E-designation also requires mandatory construction-related health and safety plans (HASPs), which must also be approved by DEP. As properties are acquired by the City, it is anticipated that a Restrictive Declaration would be placed on them, which would supersede the E-designation, but require implementation of the same measures.

Any new residential and/or commercial development must use No. 2 oil or natural gas as the type of fuel for HVAC systems, and ensure that the boiler stack(s) is located at least 40 feet from the lot line facing 37th Ave when firing No. 2 oil, and at least 20 feet from the lot line facing 37th Ave when firing natural gas, to avoid any potential significant air quality impacts.

(E) Designation

The hazardous materials (E) Designation is an institutional control that can be placed as a result of the CEQR (City Environmental Quality Review) of a zoning map or text amendment or action pursuant to the Zoning Resolution in relation to potential hazardous materials, air quality and noise impacts. Through Local Law 27 of 2009, the NYC Office of Environmental Remediation (NYC-OER) has assumed the role from the NYC Department of Environmental Protection (NYC-DEP).

Under section 11-15 of the Zoning Resolution of the City of New York, "*a Hazardous Materials, Air Quality or Noise (E) Designation in Appendix C of the Zoning Resolution indicates that environmental requirements*

have been established for a tax lot. Prior to any improvement at such lot, including the construction of a new structure or certain remodeling of an existing structure, property owners must demonstrate to OER that the improvement will satisfy the environmental requirements and will occur without potential hazardous material, air quality or noise impacts that could negatively affect construction workers, future users of the lot or those in close proximity to the lot. … In order to satisfy Air Quality or Noise (E) Designations, the rules require property owners to submit a Remedial Action Plan (RAP) to OER [in accordance with Title 15, Chapter 24 of the Rules of the City of New York (RCNY) §24-07: Remediation Plan] detailing how their proposed development will meet the environmental requirements of their lot's (E) Designation. … If OER determines that the RAP meets the requirements of the (E) Designation [in accordance with Title 15, Chapter 24 of the Rules of the City of New York (RCNY) §24-08: Satisfaction of (E) Designation Requirements and §24-09: Department Review and Approval Procedures], OER will recommend that DOB issue the relevant permit. Finally, upon completion of the project, property owners must submit an Installation Report (IR) to OER documenting that the RAP was properly implemented. If OER approves the IR, OER will notify DOB that it may issue a temporary certificate of occupancy (CoC-temporary) or a certificate of occupancy (CoO)"

All pertaining requirements can be found in the NY CEQR Technical Manual as revised in March of 2014. Specifically for hazardous materials, CEQR provides a mechanism to ensure that testing for and mitigation and/or remediation of hazardous materials, if necessary, are completed prior to, or as part of, future development of an affected site, thereby eliminating the potential for a hazardous materials impact. Chapter 24 of Title 15 of the Rules of the City of New York and Section 11-15 of the Zoning Resolution of the City of New York set out the procedures for placing (E) Designations, satisfying related requirements, and removing (E) Designations. Detailed requirements on how to investigate, remediate, satisfy, and receive appropriate sign-offs for sites with (E) Designations are included in the Rules. If necessary, the lead agency may consult with DEP/OER during the CEQR process to identify sites requiring an (E) Designation. After a site has been identified or after the (E) has been placed, applicants are advised to provide the CEQR number to OER. In order to facilitate OER's review of work proposed to address the requirements of the (E) Designation, it may be necessary for property owners to provide historical technical documentation related to the hazardous materials CEQR review (*e.g.*, EAS/EIS, Phase I ESA, Phase II ESA Work Plan/HASP, Phase II ESA Report(s), RAP/CHASP, lead agency and DEP correspondences, Restrictive Declarations, Notices) to OER.

As mentioned throughout the Technical Manual, it is important for an applicant to work closely with the lead agency during the entire environmental review process. In addition, DEP often works with the lead agency during the CEQR process to provide technical review, recommendations, and approval relating to hazardous materials. When the review identifies the need for long-term measures to be incorporated after CEQR (prior to or during development), the lead agency, in coordination with DEP, determines whether an institutional control (discussed in more detail in Sections 550 through 552), such as an (E) Designation, may be placed on the affected site. OER has the authority and responsibility for administering (E) Designations and existing hazardous materials Restrictive Declarations recorded on privately-owned parcels as a result of zoning and/or variance actions approvals, pursuant to Section 11-15 (Environmental Requirements) of the Zoning Resolution of the City of New York and Chapter 24 of Title 15 of the Rules of the City of New York.

Phase-II environmental site assessment (II-ESA) is being used to determine soil quality, material handling and offsite disposal characterization as well as the subsurface water quality and discharge options. A typical scope of a II-ESA includes, but not limited to:

1. Installation of soil borings (the number should be determined based on the surface area of the anticipated excavation) to a depth at least below the bottom of the anticipated excavation via Geoprobe fitted with disposable acetate liners. Soils should be field screened at discrete intervals

for visual and olfactory evidence of contamination and with a Photo-ionization Detector (PID) which detects volatile organic vapors, and

2. A number of borings should be converted to 2-inch temporary groundwater sampling wells with PVC slot screen and riser to grade. Wells will be purged of 3x the well volume and field screened for visible sheen, pH, temperature, and total solids, and submitted for laboratory analysis

At least one soil sample per boring will be submitted for laboratory analysis as a composite representing soil to be excavated and disposed of. Volatile Organic Compound samples will be collected as grab sample via Encore samplers. Three borings/intervals at the inspector's discretion will be submitted for analysis by the Toxicity Characteristic Leachate Procedure (TCLP), and waste characterization analysis which equates to one sample per 500 cubic yards (typical for New Jersey disposal facilities) of the total estimated disposal quantity.

Subsurface/groundwater water will be collected via a dedicated hand bailer or peristaltic pump fitted with disposable tubing, and transferred directly to laboratory supplied containers.

All samples shall be analyzed by a laboratory accredited by the NYS Department of Health Environmental Laboratory Approval Program (NYSDOH-ELAP) in accordance with Title 15, Chapter 24 of the Rules of the City of New York (RCNY) §24-06: Phase II Environmental Site Assessment. Samples will be analyzed for the following parameters:

For soil samples:

- Target Compound List (TCL): Volatile Organic Compounds (VOCs) and Semi-Volatile Organic Compounds (SVOCs)
- Priority Pollutant List (PPL): Metals and Pesticides
- Polychlorinated biphenyls (PCBs)
- Total Petroleum Hydrocarbons (TPHs)
- Asbestos
- Paint filter analysis
- Percent solids
- Toxicity Characteristic Leaching Procedure (TCLP): Metals, VOCs, SVOCs, herbicides, pesticides
- pH, Flashpoint, Ignitability, and Reactivity

For groundwater samples:

- TCL: VOCs and SVOCs
- Polychlorinated biphenyls (PCBs)
- Target Analyte List (TAL): metals, both (field) filtered and unfiltered
- Total Petroleum Hydrocarbons (TPHs)
- Total suspended solids (TSS)
- NYCDEP sewer discharge guidelines

Soil analysis results will be compared to NYSDEC Part 375-6 soil cleanup objectives to determine the overall soil quality for handling and disposal options, and USEPA Resource Conservation and Recovery Act (RCRA) hazardous waste levels to determine if the soil exhibits characteristics of hazardous waste.

Subsurface water analysis results will be compared to NYSDEC TOGS Class I Guidance Values (saline fish habitats) and NYCDEP sewer effluent limitations.

It would be prudent to anticipate conditions of environmental, safety and hygiene concern if any demolition/excavation and/or further development would be considered. The owner and the contractor(s) involved in such activities/operations should anticipate and be able to recognize, evaluate and control such conditions. Proper real-time monitoring would be recommended along with the potential implementation of all required engineering controls and hygiene practices. All these could be included in a Health and Safety Plan.

INTRODUCTION

Mrs. Elena Karacosta, c/o Empire Holdings Group 3 ("**Client**") engaged SAI Environmental Consultants to conduct an Environmental Site Assessment – Phase I (ESA-I) of the property located at **37-14/18 34th Street – Long Island City NY 11101 (Queens County)** subsequently referred to in this report as "**the subject (or target) property**". This assessment was prepared in general accordance with the American Society of Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (ASTM Designation: E1527-05).

PURPOSE

The purpose of this ESA-I was to identify, to the extent feasible, recognized environmental conditions or issues in connection with the property that may require further investigation and/or mitigation and to evaluate the property's compliance with applicable Federal, State and local environmental regulations, and identify any environmental issues.

SCOPE OF SERVICES

The scope of work for this assessment was in general accordance with the American Society of Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (ASTM Designation: E1527-05). These methodologies are described as representing good commercial and customary practice for conducting an ESA of a property for the purpose of identifying recognized environmental conditions.

The scope of the environmental audit consisted of the following activities:

- ☑ A site reconnaissance
- ☒ Interviews with representatives of the public, property management, and regulatory agencies.
- ☑ A request for and review records and related documentation of:
  - ☒ New York State Department of Environmental Conservation (NYSDEC)
  - ☒ New York City Department of Environmental Protection (NYCDEP)
  - ☒ New York City Fire Department (NYCFD)
  - ☒ New York City Department of Buildings (NYCDOB)
  - ☒ New York City Department of Finance (NYCDOF)
  - ☒ New York City Department of City Planning (NYCDCP)
- ☑ A historical site review
- ☑ An assessment of possible adverse environmental conditions associated with prior and current use of the subject site property
- ☑ A review of available Sanborn Survey Maps
- ☑ A survey of the nearby properties
- ☑ An assessment of possible adverse environmental conditions associated with the neighboring properties
- ☒ A limited survey for visible, friable asbestos containing materials
- ☒ A limited survey for lead containing paint

Aerial and satellite images (source: Google Earth) are included in Appendix A.

Site and vicinity photographs taken during our site reconnaissance are included in Appendix B.

For the purposes of the ESA-I a report was purchased by Environmental Data Resources, Inc. (EDR). This report contains certain information obtained from a variety of public and other sources based on a search conducted by EDR of available environmental records. A copy of this report (titled 2s) is attached in Appendix C.

In addition, we requested from EDR to supply us with a Certified Sanborn® Map Report. Sanborn maps were originally created for assessing fire insurance liability in urbanized areas in the United States. A set of all available maps for the subject property is included in Appendix C (report title: 3). Please note that there is a limitation on reproduction of these maps.

Also, we requested from EDR to supply us with historical topographic maps, aerial photographs a city directory abstract, property tax map, as well as building permit report. All associated topographic maps (report title: 4), aerial photographs (report title: 5), city directory (report title: 6), and building permit (report title: 11) are included in Appendix C.

LIMITATIONS AND EXCEPTIONS

The report has been prepared in accordance with generally accepted environmental methodologies referred to in ASTM 1527-05, and contains all of the limitations inherent in these methodologies. No other warranties, expressed or implied, are made as to the professional services provided under the terms of our contract and included in this report.

While this report provides an overview of potential environmental concerns, both past and present, the environmental assessment is limited by the availability of information at the time of the assessment. It is possible that unreported disposal of waste or illegal activities impairing the environmental status of the property may have occurred which could not be identified. The conclusions and recommendations regarding environmental conditions that are presented in this report are based on a scope of work authorised by the Client. Note, however, that virtually no scope of work, no matter how exhaustive, can identify all contaminants or all conditions above and below ground.

The conclusions of this report are based in part, on the information provided by others. The possibility remains that unexpected environmental conditions may be encountered at the site in locations not specifically investigated. Should such an event occur, SAI Environmental Consultants must be notified in order that we may determine if modifications to our conclusions are necessary.

The services performed and outlined in this report were based, in part, upon visual observations of the site and attendant structures. Our opinion cannot be extended to portions of the site that were unavailable for direct observation, reasonably beyond the control of SAI Environmental Consultants.

The objective of this report was to assess environmental conditions at the site, within the context of our contract and existing environmental regulations within the applicable jurisdiction. Evaluating compliance of past or future owners with applicable local, provincial and federal government laws and regulations was not included in our contract for services.

Our observations relating to the condition of environmental media at the site are described in this report. It should be noted that compounds or materials other than those described could be present in the site environment.

SPECIAL TERMS AND CONDITIONS

Special Contractual Conditions: N/A

USER RELIANCE

This report may be distributed and relied upon by Client, its successors and assigns. Reliance on the information and conclusions in this report by any other person or entity is not authorized without the written consent of SAI Environmental Consultants.

II. SITE DESCRIPTION AND ASSESSMENT

SITE DESCRIPTION

GENERAL SITE AND VICINITY DESCRIPTION

The subject property site description is listed below:

Address:	37-14/18 34th Street – Long Island City NY 11101
County and State:	Queens County, New York State
Location:	North – East side of 34th Street between 37th and 38th Avenue in Long Island City, NYC
Coordinates and elevation:	**Latitude (North):** 40.7535000 - 40° 45' 12.60" **Longitude (West):** 73.9290000 - 73° 55' 44.40" **Universal Tranverse** Mercator: Zone 18 UTM X (Meters): 590410.7 UTM Y (Meters): 4511734.0 Elevation: 31 ft. above sea level

GENERAL SITE AND VICINITY CHARACTERISTICS

Some basic community district information is shown below (source: New York City – Department of City Planning, NYC-DCP).

Satellite and Aerial photos [source: Google]	 Elevation: 5000 ft

Elevation: 2000 ft

Elevation: 700 ft

Geographic and Demographic:

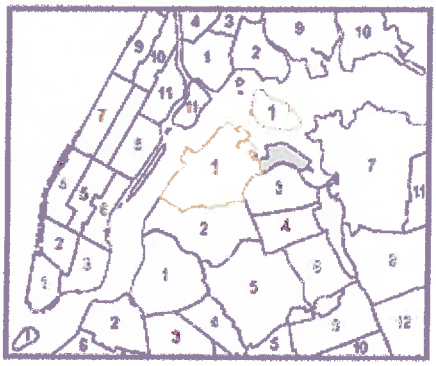
QUEENS COMMUNITY DISTRICT 1

TOTAL POPULATION	1990	2000	2010
Number	188,549	211,220	191,105
% Change	—	12.0	-9.5

VITAL STATISTICS	2005	2011
Births: Number	2,263	2,018
Rate per 1000	10.7	10.6
Deaths: Number	1,029	908
Rate per 1000	4.9	4.8
Infant Mortality: Number	13	—
Rate per 1000	5.7	4.3

INCOME SUPPORT	2005	2013
Cash Assistance (TANF)	5,020	3,553
Supplemental Security Income	6,668	5,992
Medicaid Only	42,722	48,491
Total Persons Assisted	54,410	58,036
Percent of Population	25.8	30.4

TOTAL LAND AREA	
Acres:	3,939.5
Square Miles:	6.2



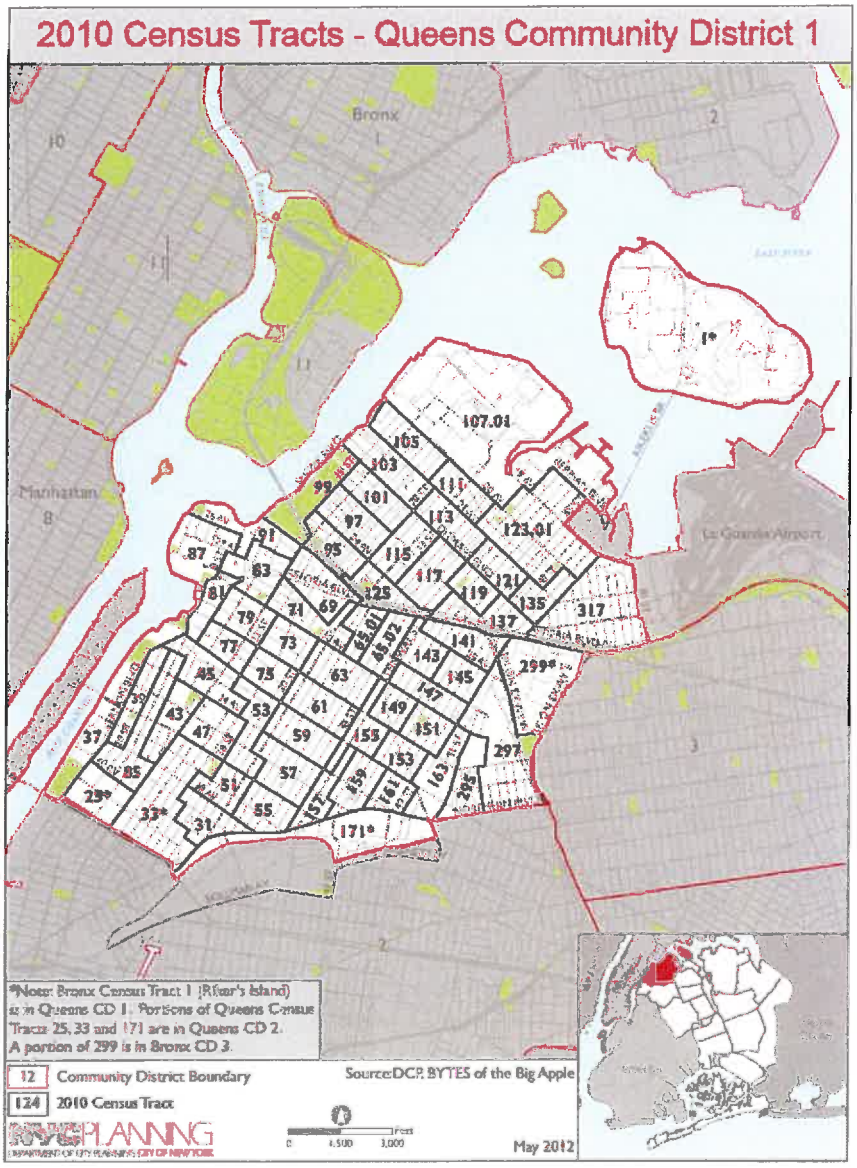
LAND USE, 2013		Lot Area	
	Lots	Sq. Ft.(000)	%
1- 2 Family Residential	8,439	19,495.4	16.7
Multi-Family Residential	6,515	27,067.1	23.2
Mixed Resid. / Commercial	1,547	5,589.3	4.8
Commercial / Office	753	7,915.8	6.8
Industrial	849	11,002.9	9.5
Transportation / Utility	292	9,214.9	7.9
Institutions	202	22,495.0	19.3
Open Space / Recreation	63	8,339.0	7.2
Parking Facilities	415	2,712.8	2.3
Vacant Land	360	2,184.6	1.9
Miscellaneous	65	477.4	0.4
Total	19,500	116,494.3	100.0

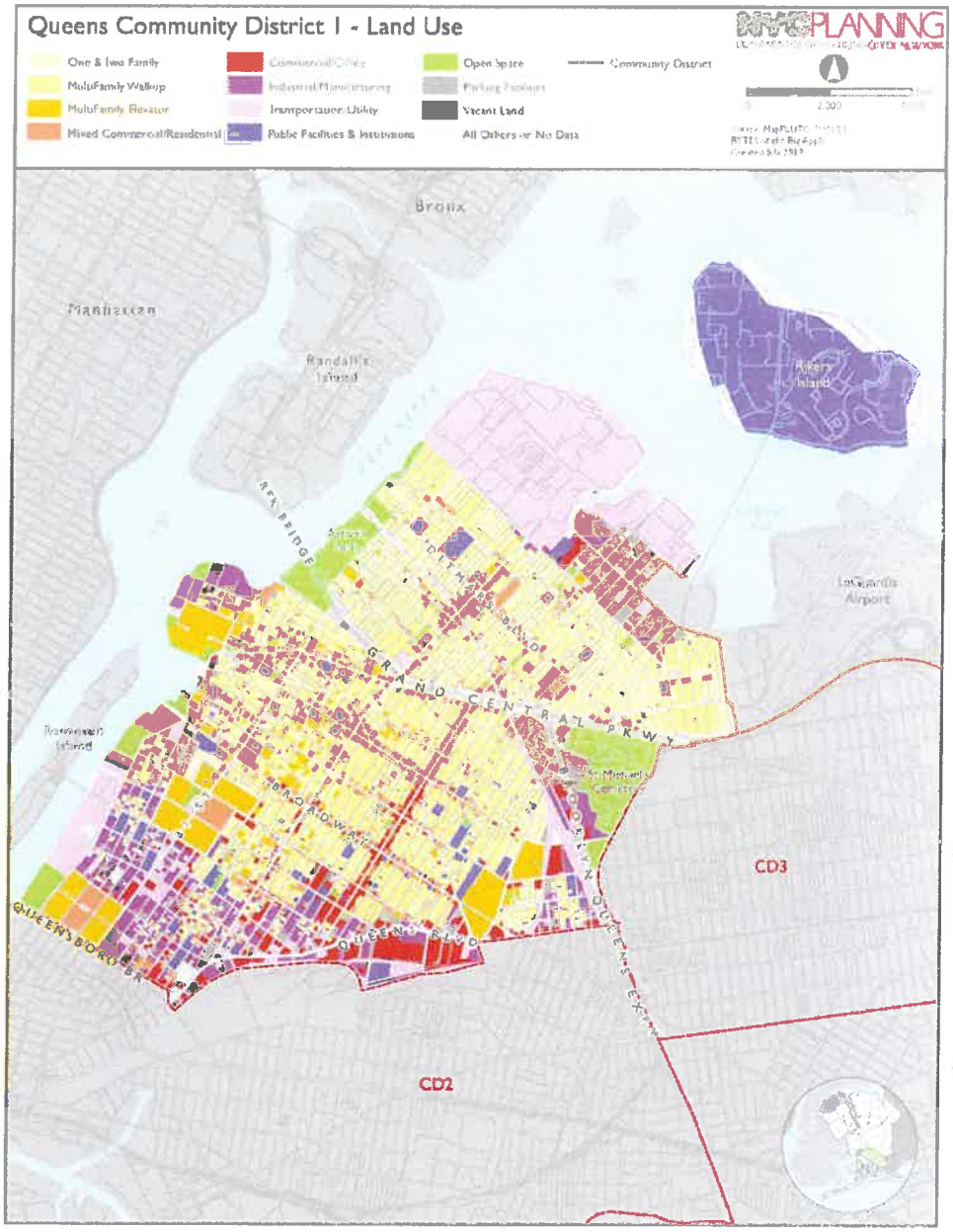
New York City Department of City Planning

Property Level Information for 37-14 34 STREET in QUEENS

Tax Block:	375	RPAD SCC:	8
Tax Lot:	24	RPAD Building Class:	O9
BBL:	4003750024	RPAD Interior Lot:	Not Interior Lot
Block Faces:	2	RPAD Irreg. Shaped Lot:	Not Irregular Lot
Sanborn Boro/Vol/Page:	4/01 /083	RPAD Condo Number:	N/A
X,Y Coordinate:	1003777 , 0213791	RPAD Co-op Number:	N/A
Structures:	1	Condo Lot:	Non-Condo
Vacant Lot:	Not Vacant	Tax Map/Section/Volume:	4 / 03 / 02
Low BBL of Condo:	N/A	High BBL of Condo:	N/A
BIN:	4004559	BIN Status:	No activity
TPAD BIN:		TPAD BIN Status:	No activity
Corner Code:	NC	TPAD Conflict Flag:	1
Business Improvement District:			

Land use:





Primary land use: Commercial/Office Buildings

Residential Land Uses

- One & Two Family Buildings
- Multi-Family Buildings
- Mixed Residential and Commercial Buildings

Non-Residential Land Uses

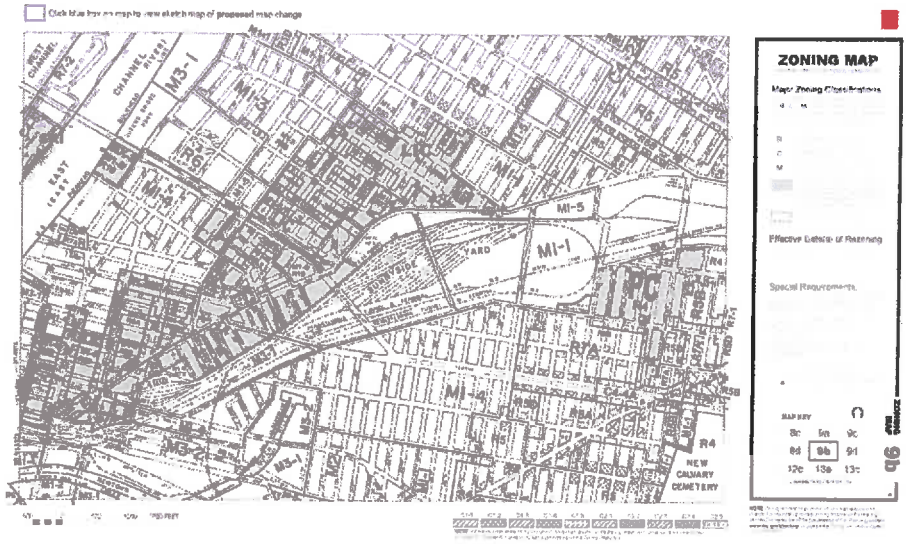
- Commercial / Office Buildings
- Industrial / Manufacturing
- Open Space and Outdoor Recreation
- Public Facilities and Institutions
- Transportation and Utility
- Parking Facilities
- Vacant Land
- All Others or No Data

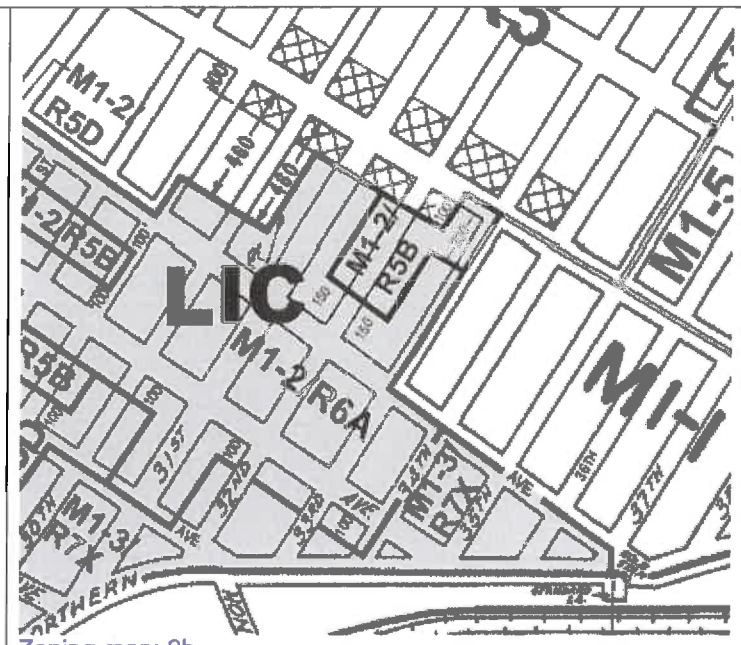
One- and Two-Family Residences

Low-density residences, the largest use of city land, are found mostly in Staten Island, eastern Queens, southern Brooklyn, and northwest and eastern Bronx.

Multi-Family Residences

Medium- to high-density residential buildings (three or more dwelling units) contain more than two-thirds of the city's housing units but occupy 12 percent of the city's total

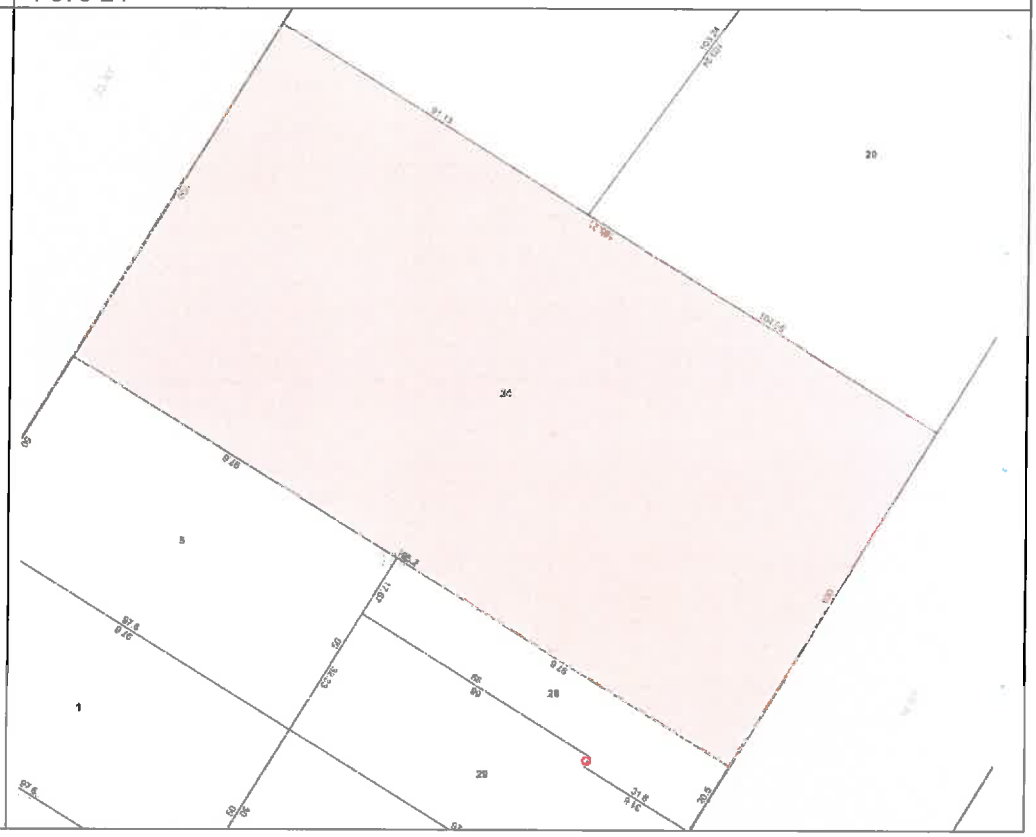
	lot area. The highest density residences are found mainly in Manhattan, and four- to twelve-story apartment houses are common in many parts of the Bronx, Brooklyn and Queens. **Mixed Residential and Commercial** This use is most often typified by apartment buildings with stores and/or neighborhood services on the ground level. Mixed use buildings with both offices and residences are also included, but less common. **Commercial Uses** These uses occupy only a fraction of the city's land (less than four percent), but they use space intensively. Most of the city's 3.6 million jobs are in commercial areas, ranging from the office towers of Manhattan and the regional business districts of downtown Brooklyn, Long Island City, Jamaica, and the Hub, to the local shopping corridors throughout the city. **Industrial / Manufacturing** Industrial uses, the warehouses and factories occupying four percent of the city's total lot area, are found primarily in the South Bronx, along either side of Newtown Creek in Brooklyn and Queens, and along the western shores of Brooklyn and Staten Island. **Transportation / Utility** Airports, ferry terminals, train yards, sewage treatment facilities and power plants are among the city's essential infrastructure uses. JFK and LaGuardia airports alone occupy almost half the land devoted to these uses. **Public Facilities and Institutions** Public facilities and institutions -- including schools, hospitals and nursing homes, museums and performance centers, houses of worship, police stations and fire houses, courts and detention centers, -- are spread throughout the city and occupy seven percent of the city's land. **Open Space and Recreation** Approximately one-quarter of the city's lot area is occupied by public parks, playgrounds and nature preserves, cemeteries, amusement areas, beaches, stadiums and golf courses. **Parking** Parking includes public and private off-street lots and free-standing garages that are not accessory to residential or commercial buildings. **Vacant Land** Approximately eight percent of the city's land is classified as vacant. Staten Island has the most vacant land with more than 5,400 acres.
Zoning:	

	 Zoning map: 9b Zoning: M1-2/R6A
Other zoning conditions and designations:	Special purpose district: Yes Special purpose subdistrict: Yes Limited height district: No Zoning map amendment: Yes Inclusionary housing designated area: No Lower density growth management area: No FRESH program: Yes – Discertionary Tax Incentives
Environmental requirements:	"E" environmtal designation: Yes – E-218 for Potential Hazardous Materials and Air Quality Impacts. **An (E) designation provides notice of the presence of an environmental requirement pertaining to potential hazardous materials contamination or noise or air quality impacts on a particular tax lot. (E) Designations are established as part of a change in zoning that would allow additional development to occur on property, or would permit uses not currently allowed. It is not a notice of a building violation. For more information: http://www.nyc.gov/html/oer/html/e_designation/e_designation.shtml**
Waterfront:	Waterfront access plan: No Coastal zone boundary: No
Land use:	See above
Other program areas:	Business improvement district: No Empire zone: No Federal empowerment zone: No
Landmark:	Designated historic district: No Designated scenic landmark: No Landmark: No Landmark interior: No
Administrative:	Borough: see above City council district: see above Community district: see above Assempbly district: see above State senate district: see above

SITE DETAILS

LOCATION, LEGAL DESCRIPTION AND CURRENT USE(S) OF THE PROPERTY

Some basic tax information is shown below (source: New York City – Department of Finance, NYC-DOF).

Borough–Block–Lot:	4-375-24
Tax map:	

Final assessment roll:	

Owner Name:
AT-CORT I.

Property Address and Zip Code:
3714-18 34 STREET 11101

Real Estate Billing Name and Address:
AT-CORT I LLC
35 GATEWAY DR
GREAT NECK NY 11021

Borough: QUEENS
Block: 375
Lot: 24

Tax Class: 4
Building Class: O9 Codes

Land Information

Lot Size	Irregular	Corner
100.00FT X 195.00FT		

Building Information

Number of Buildings	Building Size	Extension	Stories
1	100.00FT X 195.00FT		1

Assessment Information

Description	Land	Total
ESTIMATED MARKET VALUE		2,098,000
ACTUAL AV	168,750	944,100
ACTUAL EX AV	0	755,640
TRANS AV	168,750	771,478
TRANS EX AV	0	583,020

Taxable/Billable Assessed Value

	Assessed Value
SUBJECT TO ADJUSTMENTS. YOUR 2014/15 TAXES WILL BE BASED ON	188,458

Exemption Information

#	Code	Description	Exempt Value
1	1986-01 (47660)	ICIP IND/SPECIAL EX	168,840
2	1986-02 (47660)	ICIP IND/SPECIAL EX	414,180

Property is assessed at the following uniform percentages of full market value, unless limited to a lesser amount by law:

Class 1 - 6% Class 2 - 45% Class 3 - 45% Class 4 - 45%

Lot size:	100.00 ft x 195.21 ft = 19,521.00 ft^3 = 0.448 acres
Building size:	100.00 ft x 195.21 ft = 19,521.00 ft^3

The Property Profile Overview (PPO) and the associated Certificate of Occupancy (CoO) are shown below (source: New York City Department of Buildings, NYCDOB). The block and lot numbers are the same as mentioned earlier. Additional identification/classification numbers are shown.

Property Profile Overview, PPO:	

NYC Department of Buildings

Property Profile Overview

37-14 34 STREET		QUEENS 11101		BIN# 4004559	
33 STREET	37-11 - 37-19	Health Area	: 400	Tax Block	: 375
34 STREET	37-12 - 37-18	Census Tract	: 55	Tax Lot	: 24
		Community Board	: 401	Condo	: NO
		Buildings on Lot	: 1	Vacant	: NO

View DCP Addresses... Browse Block

View Zoning Documents | View Challenge Results | Pre - BIS PA | View Certificates of Occupancy

Cross Street(s):	37 AVENUE, 38 AVENUE		
DOB Special Place Name:			
DOB Building Remarks:			
Landmark Status:		Special Status:	N/A
Local Law:	NO	Loft Law:	NO
SRO Restricted:	NO	TA Restricted:	NO
UB Restricted:	NO		
Little 'E' Restricted:	HAZMAT/AIR	Grandfathered Sign:	NO
Legal Adult Use:	NO	City Owned:	NO
Additional BINs for Building:	NONE		

Special District: LIC - LONG ISLAND CITY MIXED USE

This property is not located in an area that may be affected by Tidal Wetlands, Freshwater Wetlands, or Coastal Erosion Hazard Area. Click here for more information

Department of Finance Building Classification: O9-OFFICE BUILDINGS

Please Note: The Department of Finance's building classification information shows a building's tax status, which may not be the same as the legal use of the structure. To determine the legal use of a structure, research the records of the Department of Buildings.

	Total	Open
Complaints	1	0
Violations-DOB	1	0
Violations-ECB (DOB)	0	0
Jobs/Filings	12	
ARA / LAA Jobs	2	
Total Jobs	14	
Actions	12	

OR Enter Action Type:

OR Select from List: Select

AND : Show Actions

Elevator Records
Electrical Applications
Permits In-Process / Issued
Illuminated Signs Annual Permits
Plumbing Inspections
Open Plumbing Jobs / Work Types
Facades
Marquee Annual Permits
Boiler Records
DEP Boiler Information
Crane Information
After Hours Variance Permits

The property is registered at the Department of City Planning with following addresses: 37-12 to 37-18 34th Street and 37-11 to 37-19 33rd Street.
There are no open Department of Buildings (DOB) violations and No open Environmental Control Board (ECB) violations listed for the property.
The property is E Restricted for HAZMAT/AIR.

Certificate of Occupancy, CoO	BUILDINGS **CERTIFICATE OF OCCUPANCY** BOROUGH QUEENS DATE: FEB 3 1988 NO. 403520055 This certificate supersedes C.O. NO ZONING DISTRICT M1-5B THIS CERTIFIES that the new—altered—existing building—premises located at 37-18 34th STREET Block 375 Lot 24 COMPLIES WITH ALL TO THE APPROVED PLANS AND SPECIFICATIONS AND TO THE PROVISIONS OF ALL APPLICABLE LAWS, RULES AND REGULATIONS FOR THE USES AND OCCUPANCIES SPECIFIED HEREIN PERMISSIBLE USE AND OCCUPANCY CELLAR 00 N DOMM. BOILER ROOM ALL OF THE PERFORMANCE STANDARD AS SET FORTH FOR AN M1 DISTRICT SHALL BE COMPLIED WITH. FIRST FLOOR 130 130 6 E OFFICES AND ACCESSORY PARKING FOR ELEVEN(11) CARS. STAFF ONLY OPEN SPACE USES NO CHANGES OF USE OR OCCUPANCY SHALL BE MADE UNLESS A NEW AMENDED CERTIFICATE OF OCCUPANCY IS OBTAINED THIS CERTIFICATE OF OCCUPANCY IS ISSUED SUBJECT TO FURTHER LIMITATIONS, CONDITIONS AND SPECIFICATIONS NOTED ON THE REVERSE SIDE. ☐ ORIGINAL ☐ OFFICE COPY - DEPARTMENT OF BUILDINGS ☐ COPY (AP)
Open Department of Buildings (DOB) violation(s) details:	As mentioned earlier there is no open DOB violation. List of DOB vioaltions: **NYC Department of Buildings** **DOB Violations** Page: 1 Premises: 37-12 34 STREET QUEENS BIN: 4004559 Block: 375 Lot: 24 NUMBER TYPE FILE DATE V* 072188C443S1 DOB VIOLATION - DISMISSED 00/00/1988 DISMISSAL DATE: 01/14/1992 AGENCY LICENSE: PN2/91
Open Environmental Control Board (ECB) violation(s) details:	As mentioned earlier, there are no ECB violations.

SITE INSPECTION

GENERAL

SAI Environmental Consultants performed an ESA-I of the property located at the subject property. A site reconnaissance by SAI Environmental Consultants personnel, **Mr. Bill Bellos**, occurred on **Tuesday, June 24th , 2014 at 11:00 a.m..** Photos taken are presented in **Appendix B**.

There is one (1) building on the site. The building occupies entire lot and has stucco façade on the side that is facing 3rd Street. The building has a brick façade facing 34th Street, garage access and handicap access. Building is used as a health center and it has hallways, patient rooms a couple of bathrooms and conference room.

The roofing and building materials of this structure may be asbestos containing material (ACM) as well as vinyl flooring, vinyl coves, sheetrock and ceiling tiles.

Apparently the property is being use and/or has been used as a health center. However, no Historical Recognized Environmental Conditions (HREC) was identified as a result of activities or conditions at the subject property. The adjacent building that is facing 33rd Street is used as an auto repair shop. De minimis environmental condition was identified at the target or nearby properties.

The terms, Recognized Environmental Conditions (RECs), Historical Recognized Environmental Conditions (HRECs), and De Minimis Environmental Conditions (DMEC) are defined below.

Recognized Environmental Conditions (RECs): A Recognized Environmental Condition (REC) is identified when the ESA-I finds 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, ground water, or surface water of the property. Criteria for the identification of Recognized Environmental Conditions (REC) vary substantially across the industry. Some Environmental Professionals identify RECs whenever there is a possibility of impact to a property, while others identify them only when presented with direct evidence that a release has occurred. The ESA-I Standard defines a REC in terms of the "presence or likely presence" of hazardous materials under conditions that indicate an existing, past, or threatened release.

Historical Recognized Environmental Conditions (HRECs): Findings which would once have been classified as Recognized Environmental Conditions, but are no longer of concern are classified as Historical Recognized Environmental Conditions. The ESA Standard allows for reclassification of Recognized Environmental Conditions as Historical Recognized Environmental Conditions once a release has been remediated. Where residual impacts do not impact current operations, this condition may be reclassified as a Historical Recognized Environmental Condition, though the ESA Standard is careful to leave the final determination of HREC status to the discretion of the environmental professional. Note that Recognized Environmental Conditions identified previously which have been investigated with no evidence of a release found would no longer be classified as Recognized Environmental Conditions or Historical Recognized Environmental Conditions, since it has been demonstrated that no release has occurred.

De Minimis Environmental Conditions (DMEC): De minimis environmental conditions indicate a release which generally would not represent a threat to human health and would generally not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

All roads in the vicinity are public under the jurisdiction of the New York City Department of Transportation (NYCDOT). There were no private roads on the subject property.

WATER SUPPLY AND WASTEWATER DISPOSAL

The site is connected to the municipal water supply and wastewater collection systems both under the jurisdiction of the New York City Department of Environmental Protection (NYCDEP). There are no reports of on-site wells or wastewater disposal systems.

HAZARDOUS SUBSTANCE AND PETROLEUM PRODUCT USE

As mentioned earlier, no asbestos-containing material (ACM) was identified. Lead-based paint is expected to be present. No other hazardous materials were recognized in the building. Petroleum products are used in the building for heating purposes.

ABOVEGROUND AND UNDERGROUND STORAGE TANKS

Determining the presence of Aboveground Storage Tanks (ASTs) and Underground Storage Tanks (USTs) is considered essential in assessing potential contamination sources. Visual inspection and the review of tank registration records are used to determine the possible existence of past and present storage tanks in the area of the subject property. It must be noted however, that the absence of certain site conditions or lack of records may restrict or prevent the determination of the number and contents of storage tanks on the subject property.

No storage tanks were identified above or below ground. No petroleum/fuel stains were noticed.

HAZARDOUS WASTE DISPOSAL PRACTICES

The current site operations do not generate any reportable quantities of hazardous waste. No hazardous waste was identified on site. In order to identify the presence of any hazardous material or waste in the soil, proper sampling and lab analysis are required.

NON-HAZARDOUS WASTE DISPOSAL PRACTICES

There were no indications of improper management of non-hazardous wastes.

IMPOUNDMENTS AND OTHER LAND USES

No impoundments or other unusual land uses were identified during the site inspection.

POLYCHLORINATED BIPHENYLS (PCBS)

The past use of PCBs in electrical equipment such as transformers, fluorescent lamp ballasts, and capacitors was common. PCBs in electrical equipment are controlled by United States EPA regulation 40 CFR, Part 761. According to this regulation there are three categories for classifying electrical equipment; less than 50 ppm of PCBs is considered "Non-PCB"; between 50 and 500 ppm is considered "PCB-Contaminated"; and greater than 500 ppm is considered "PCB".

There were no transformers or capacitors identified on the subject property.

ASBESTOS SURVEY

A visual asbestos survey reveal the presence of presumed asbestos containing materials (PACMs) such as vinyl tiles and coves, sheetrock and ceiling tiles that have to be sampled and analyzed. For ACM fibers in the soil, proper sampling and lab analysis are required.

LEAD PAINT SURVEY

Lead based paint was banned for residential use in New York City in 1960 and by the Consumer Product Safety Commission in 1978.

During the site reconnaissance, a visual lead survey did not reveal the presence of any lead-based paint. For lead contamination in the soil, proper sampling and lab analysis are required.

SITE HISTORY

INTERVIEWS

No interviews were conducted.

SANBORN FIRE INSURANCE MAPS

Past use of the subject property was ascertained through the review of available Sanborn Survey Maps. Sanborn Survey Maps (see Appendix C) for the area of the subject property were available and reviewed for the following years:

Sanborn fire insurance maps:	***Certified Sanborn Results:*** **Site Name:** 37-14/18 34TH STREET **Address:** 37-14 34TH STREET **City, State, Zip:** LONG ISLAND CITY, NY 11101 **Cross Street:** **P.O. #** NA **Project:** NA **Certification #** 3C3D-4432-AD9C **Maps Provided:** 2006 1996 1990 1979 1915 2005 1995 1989 1977 1898 2004 1994 1988 1970 2003 1993 1986 1950 2002 1992 1985 1947 2001 1991 1980 1936 Sanborn® Library search results Certification # 3C3D-4432-AD9C The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched: ✓ Library of Congress ✓ University Publications of America ✓ EDR Private Collection *The Sanborn Library LLC Since 1866™* The Sanborn maps shows that the site was developed with two dwellings from 1898 to 1936. The 1936 Sunborn map shows that the site was developed with one dwelling and one auto garage facing 33rd Street, there were no other changes to the site until 1947. The 1947 Sunborn map shows that the site was ocupied by MFG Sink Tops and Drain Boards and was developed with one building ocupaying entire lot. The site remain the same until present. The 2005 Sunborn maps shows that the site was ocupied by Family Health Center, only occupants changed but the site remain the same, developed with one large building ocupying entire lot.

Representative Sanborn fire insurance maps and aerial photos:	**1936 Certified Sanborn Map**

1947 Certified Sanborn Map

2005 Certified Sanborn Map

PROPERTY USES

Search of records has identified the following uses of the target property.

Current and past uses:	

34TH ST

3714 34TH ST

Year	Uses	Source
1991	Metaloc Corp	NYNEX Information Resource Company
1983	Metaloc Corp	New York Telephone
1976	Bandt Inc flr covrgs	New York Telephone
1970	BANDT INC flr covrgs	New York Telephone
	METALOC CO	New York Telephone
1967	Bandt Inc flr covrgs	New York Telephone
	Metaloc Co	New York Telephone
1962	Bandt Inc flr covrgs	New York Telephone Directory
	Metaloc Co	New York Telephone Directory
1934	Freitag & Erthal Richd Freitag and Chas Erthal auto reprs	R. L. Polk & Co.
	Freitag Richd Freitag & Ethol	R. L. Polk & Co.

3711 33RD ST

Year	Uses	Source
2013	NEIGHBORHOOD & FAMILY HEALTH CENTER	Cole Information Services
2008	3711 33RD ST AUTO CENTER	Cole Information Services
2005	3711 Auto Ctr 1s	Hill-Donnelly Information Services
2000	3711 Auta Center	Cole Information Services
1991	Oscar Auto Repair	NYNEX Information Resource Company

EDR-City Directory Abstract reveals that 3714 34th Street is registered for "Erthal Auto Reprs" in 1934 and as "Metaloc Corp" from 1962 to 1991. Furthermore, 3711 33rd Street is registered for "Oscar Auto Repair" in 1991, "3711 Auto Center" in 2000, "3711 Auto CTR 1s" in 2005, "3711 33rd St Auto Center" in 2008 and "Neighborhood & Family Health Center" in 2013.

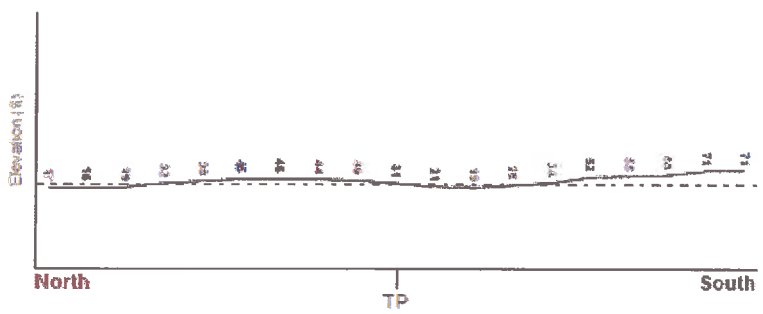
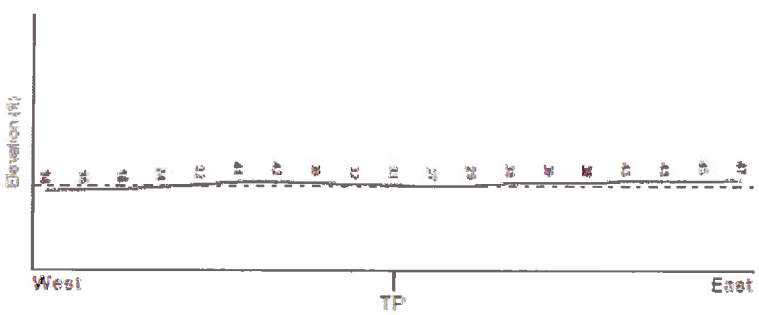
PREVIOUS ENVIRONMENTAL INVESTIGATIONS AND REPORTS

No previous ESA-I or other environmental investigations were identified or made available during the assessment.

CHARACTERISTICS OF THE SITE AREA

GEOLOGY AND HYDROGEOLOGY

The basic topographic, geologic and hydrologic information for the site is summarized below:

Coordinates and elevation:	**TARGET PROPERTY INFORMATION** **ADDRESS** 37-14 34TH STREET LONG ISLAND CITY, NY 11101 **COORDINATES** Latitude (North): 40.7535000 - 40° 45' 12.60" Longitude (West): 73.9290000 - 73° 55' 44.40" Universal Tranverse Mercator: Zone 18 UTM X (Meters): 590410.7 UTM Y (Meters): 4511734.0 Elevation: 31 ft. above sea level **USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY** Target Property Map: 40073-G8 CENTRAL PARK, NY NJ Most Recent Revision: 1995 South Map: 40073-F8 BROOKLYN, NY Most Recent Revision: 1995
Topographic:	**TARGET PROPERTY TOPOGRAPHY** General Topographic Gradient: General SSE **SURROUNDING TOPOGRAPHY: ELEVATION PROFILES**   Target Property Elevation: 31 ft. Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

Hydrogeological:	**HYDROLOGIC INFORMATION** Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted. **Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).** **FEMA FLOOD ZONE** Target Property County: QUEENS, NY FEMA Flood Electronic Data: YES - refer to the Overview Map and Detail Map Flood Plain Panel at Target Property: 360497 - FEMA DFIRM Flood data **Additional Panels in search area:** 3604970032B - FEMA Q3 Flood data 3604970040B - FEMA Q3 Flood data 3604970041B - FEMA Q3 Flood data NATIONAL WETLAND INVENTORY NWI Quad at Target Property: CENTRAL PARK NWI Electronic Data Coverage: YES - refer to the Overview Map and Detail Map **HYDROGEOLOGIC INFORMATION** **Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.** *Site-Specific Hydrogeological Data*:* Search Radius: 1.25 miles Status: Not found
Hydrologic:	Groundwater flow direction and velocity information for a particular site is best determined using site specific geologic, soil strata and aquifer data and analysis.
Geologic:	**GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY** Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring. **ROCK STRATIGRAPHIC UNIT** / **GEOLOGIC AGE IDENTIFICATION** Era: Mesozoic System: Cretaceous Series: Upper Cretaceous Code: uK *(decoded above as Era, System & Series)* Category: Stratified Sequence Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994). **DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY** The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data. Soil Component Name: URBAN LAND **Soil Surface Texture:** variable **Hydrologic Group:** Not reported Soil Drainage Class: Not reported **Hydric Status: Soil does not meet the** requirements for a hydric soil. Corrosion Potential - Uncoated Steel: Not Reported Depth to Bedrock Min: **> 10 inches** Depth to Bedrock Max: > 10 inches

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	6 inches	variable	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: silt loam
loamy sand
sandy loam
fine sandy loam

Surficial Soil Types: silt loam
loamy sand
sandy loam
fine sandy loam

Shallow Soil Types: sandy loam

Deeper Soil Types: unweathered bedrock
very gravelly - loamy sand
stratified
sandy loam

The physical setting of the target property and the vicinity within 1-mile radius is shown below.

PHYSICAL SETTING SOURCE MAP - 3968508.2s

- County Boundary
- Major Roads
- Contour Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells

0 1/4 1/2 1 Miles

SITE NAME: 37-14/18 34TH STREET ADDRESS: 37-14 34TH STREET LONG ISLAND CITY NY 11101 LAT/LONG: 40.7535 / 73.929	CLIENT: SAI Environmental Consultants Inc CONTACT: BILL BELLOS INQUIRY #: 3968508.2s DATE: June 11, 2014 2:29 pm

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PROXIMITY TO SENSITIVE ECOLOGICAL AREAS

The subject site is not designated as a wetland. There are no apparent wetland areas in close proximity to the subject property.

RADON

The site does not appear to be situated within a high risk radon zone although the survey data cannot be extrapolated to a specific locality or parcel of land. The recommended action limit is 4.0 pCi/L (picocuries per liter)

AREA RADON INFORMATION

Federal EPA Radon Zone for QUEENS County: 3

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: **Zone 3** indoor average level < 2 pCi/L.

Federal Area Radon Information for QUEENS COUNTY, NY

Number of sites tested: 81

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area	0.620 pCi/L	97%	0%	3%
Basement	0.970 pCi/L	93%	6%	1%

AMBIENT AIR QUALITY CONDITIONS

According to the New York State Department of Environmental Conservation (NYSDEC) the airborne concentrations of the priority pollutants (carbon monoxide, lead, nitrogen dioxide, total suspended particulates, particulate matter with aerodynamic diameters 10 and 2.5 µm, ozone, sulfur dioxide and non-methane hydrocarbons) are in compliance with the National Ambient Air Quality Standards (NAAQS)

III. USER PROVIDED INFORMATION

FREEDOM OF INFORMATION ACT RESPONSE SUMMARY

No Federal. State or City/Local agencies were contacted for this assessment.

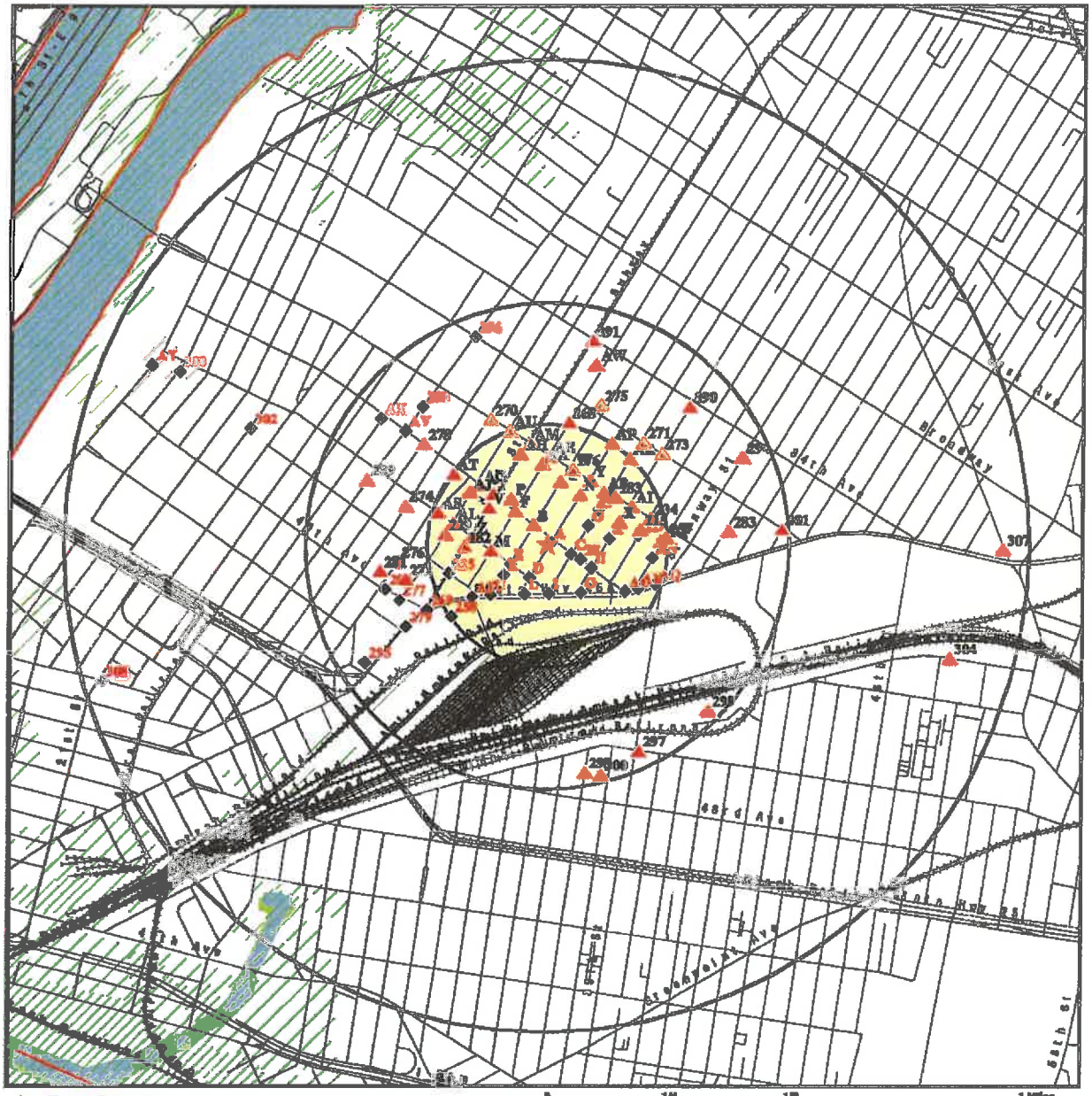
REGULATORY DATABASE REVIEW

The following information was obtained from an analysis report prepared by EDR, Inc. (see Appendix C). The information was reviewed by SAI Environmental Consultants and, in some cases, abbreviated and/or summarized.

The regulatory databases (Federal. State, Local and other official and ascertainable reports and records) reviewed are listed in Appendix C

The following two maps show all findings within a 1-mile and ¼-miule radius from the target property. The events have been identified within the parameters established by ASTM. Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (higher/lower, not an absolute) basis.

OVERVIEW MAP - 3968508.2s



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- County Boundary
- Oil & Gas pipelines from USGS
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands

0 1/4 1/8 1 Miles

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 37-14/18 34TH STREET ADDRESS: 37-14 34TH STREET LONG ISLAND CITY NY 11101 LAT/LONG: 40.7535 / 73.929	CLIENT: SAI Environmental Consultants Inc CONTACT: BILL BELLOS INQUIRY #: 3968508.2s DATE: June 11, 2014 2:20 pm

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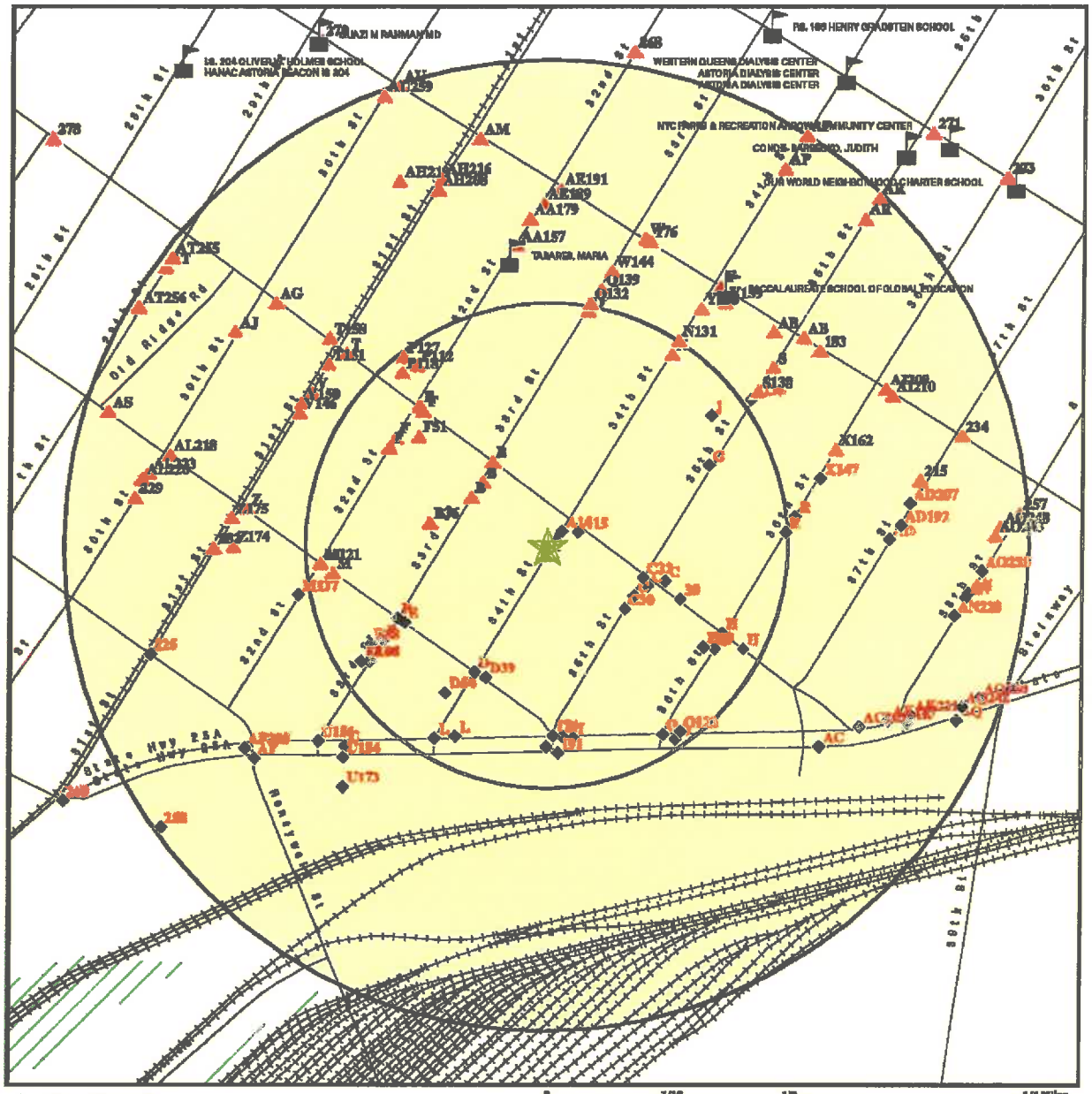
DETAIL MAP - 3968508.2s



This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 37-14/18 34TH STREET ADDRESS: 37-14 34TH STREET LONG ISLAND CITY NY 11101 LAT/LONG: 40.7535 / 73.929	CLIENT: SAI Environmental Consultants Inc CONTACT: BILL BELLOS INQUIRY #: 3968508.2s DATE: June 11, 2014 2:28 pm

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The property is outside of the 500-year flood zone and outside of a 100-year flood zone.

A summary of all environmental conditions is listed below (note: TP = Target/subject Property and NR = Not Requested at this search distance). Detailed descriptions for all listed conditions are included in Appendix C.

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.000		0	0	0	1	NR	1
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
CERCLIS	0.500		0	0	0	NR	NR	0
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site List								
CERC-NFRAP	0.500		0	0	0	NR	NR	0
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	1	NR	1
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	0.250		0	4	NR	NR	NR	4
RCRA-SQG	0.250		1	4	NR	NR	NR	5
RCRA-CESQG	0.250		2	7	NR	NR	NR	9
Federal institutional controls / engineering controls registries								
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
LUCIS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
State- and tribal - equivalent CERCLIS								
NY SHWS	1.000		0	5	2	5	NR	12
NY VAPOR REOPENED	1.000		0	1	1	0	NR	2
State and tribal landfill and/or solid waste disposal site lists								
NY SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
NY LTANKS	0.500		5	6	31	NR	NR	42
NY HIST LTANKS	0.500		0	0	0	NR	NR	0
INDIAN LUST	0.500		0	0	0	NR	NR	0

TC3968508.2s Page 4

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
State and tribal registered storage tank lists								
NY TANKS	0.250		0	0	NR	NR	NR	0
NY UST	0.250		6	15	NR	NR	NR	21
NY CBS UST	0.250		0	0	NR	NR	NR	0
NY MOSF UST	0.500		0	0	0	NR	NR	0
NY AST	0.250		20	29	NR	NR	NR	49
NY CBS AST	0.250		1	1	NR	NR	NR	2
NY MOSF AST	0.500		0	0	0	NR	NR	0
NY MOSF	0.500		0	0	0	NR	NR	0
NY CBS	0.250		1	1	NR	NR	NR	2
INDIAN UST	0.250		0	0	NR	NR	NR	0
FEMA UST	0.250		0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
NY ENG CONTROLS	0.500		0	0	0	NR	NR	0
NY INST CONTROL	0.500		0	0	0	NR	NR	0
NY RES DECL	0.125		0	NR	NR	NR	NR	0
State and tribal voluntary cleanup sites								
NY VCP	0.500		0	2	0	NR	NR	2
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
NY ERP	0.500		0	0	0	NR	NR	0
NY BROWNFIELDS	0.500		1	1	1	NR	NR	3
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
NY SWRCY	0.500		0	0	0	NR	NR	0
NY SWTIRE	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US CDL	TP		NR	NR	NR	NR	NR	0
NY DEL SHWS	1.000		0	0	0	0	NR	0
US HIST CDL	TP		NR	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
NY HIST UST	0.250		3	11	NR	NR	NR	14
NY HIST AST	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
Local Land Records								
LIENS 2	TP		NR	NR	NR	NR	NR	0
NY LIENS	TP		NR	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
NY Spills	0.125	1	12	NR	NR	NR	NR	13
NY Hist Spills	0.125		0	NR	NR	NR	NR	0
NY SPILLS 90	0.125		0	NR	NR	NR	NR	0
NY SPILLS 80	0.125		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		13	16	NR	NR	NR	29
DOT OPS	TP		NR	NR	NR	NR	NR	0
DOD	1.000		0	0	0	0	NR	0
FUDS	1.000		0	0	0	0	NR	0
CONSENT	1.000		0	0	0	0	NR	0
ROD	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
NY HSWDS	0.500		0	0	0	NR	NR	0
NY UIC	TP		NR	NR	NR	NR	NR	0
NY MANIFEST	0.250		12	25	NR	NR	NR	37
RI MANIFEST	0.250		0	4	NR	NR	NR	4
NJ MANIFEST	0.250		0	2	NR	NR	NR	2
PA MANIFEST	0.250		0	2	NR	NR	NR	2
NY DRYCLEANERS	0.250		1	3	NR	NR	NR	4
NY SPDES	TP		NR	NR	NR	NR	NR	0
NY AIRS	TP		NR	NR	NR	NR	NR	0
NY E DESIGNATION	0.125	1	44	NR	NR	NR	NR	45
INDIAN RESERV	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
NY Financial Assurance	TP		NR	NR	NR	NR	NR	0
NY COAL ASH	0.500		0	0	0	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR US Hist Auto Stat	0.250		23	35	NR	NR	NR	58
EDR US Hist Cleaners	0.250		2	12	NR	NR	NR	14
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
NY RGA HWS	TP		NR	NR	NR	NR	NR	0
NY RGA LF	TP		NR	NR	NR	NR	NR	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR US Hist Auto Stat: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR US Hist Auto Stat list, as provided by EDR, has revealed that there are 58 EDR US Hist Auto Stat sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
Not reported	3711 33RD ST	NW 0 - 1/8 (0.047 mi.)	B20	53
Not reported	3301 37TH AVE	NNW 0 - 1/8 (0.051 mi.)	B24	65
Not reported	3216 37TH AVE	NW 0 - 1/8 (0.091 mi.)	F62	123
Not reported	3726 32ND ST	WNW 0 - 1/8 (0.097 mi.)	F70	164
Not reported	3202 37TH AVE	NW 0 - 1/8 (0.097 mi.)	F71	165
Not reported	3203 37TH AVE	NW 0 - 1/8 (0.098 mi.)	F73	167
Not reported	3629 34TH ST	NNE 0 - 1/8 (0.118 mi.)	N122	304
Not reported	3635 33RD ST	N 0 - 1/8 (0.120 mi.)	Q126	312
Not reported	3633 33RD ST	N 0 - 1/8 (0.123 mi.)	Q128	314

EDR Data reveals that there are total 58 US Historical Auto Station sites within ¼ miles of the target property. Listed above are only sites that are within approximately 1/8 miles and up-gradient from the target property. For full list please refer to Appendix C. 3711 33rd Street is registered for "3711 Auto Center" and is located at the target property. All aforementioned US Historical Auto Stations are registered under many different names throughout years. There is no any other information for aforementioned Historical Auto Stations.

EDR US Hist Cleaners: EDR has searched selected national collections of **business** directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR US Hist Cleaners list, as provided by EDR, has revealed that there are 14 EDR US Hist Cleaners sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
Not reported	3722 34TH ST	SSW 0 - 1/8 (0.005 mi.)	A8	19
Not reported	3093 37TH AVE	NW 1/8 - 1/4 (0.155 mi.)	T158	401
Not reported	3315 36TH AVE	NNE 1/8 - 1/4 (0.166 mi.)	W177	490
Not reported	3313 36TH AVE	NNE 1/8 - 1/4 (0.166 mi.)	W178	491
Not reported	3515 36TH AVE	NE 1/8 - 1/4 (0.172 mi.)	AB181	494
Not reported	3206 36TH AVE	N 1/8 - 1/4 (0.184 mi.)	AE191	538
Not reported	3726 30TH ST	NW 1/8 - 1/4 (0.196 mi.)	AJ213	726
Not reported	3724 30TH ST	NW 1/8 - 1/4 (0.196 mi.)	AJ214	727
Not reported	3545 35TH ST	NE 1/8 - 1/4 (0.235 mi.)	AR244	832
Not reported	3744 29TH ST	WNW 1/8 - 1/4 (0.245 mi.)	AT256	884
Not reported	3008 36TH AVE	NNW 1/8 - 1/4 (0.247 mi.)	AU260	895
Not reported	3007 36TH AVE	NNW 1/8 - 1/4 (0.249 mi.)	AU266	914

Lower Elevation	Address	Direction / Distance	Map ID	Page
Not reported	3601 37TH AVE	ESE 0 - 1/8 (0.105 mi.)	H90	231
Not reported	3642 37TH ST	E 1/8 - 1/4 (0.176 mi.)	AD188	635

EDR Data reveals that there are total 14 US Historical Cleaners sites within ¼ miles of the target property. There is one Historical Cleaners that is located at the adjacent property and is listed for "Minerva Cleaners and Tailors".

Federal NPL site list

NPL: Also known as Superfund, the National Priority List database is a **subset** of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund program. The source of this database is **the U.S. EPA.**

A review of the NPL list, as provided by EDR, and dated 10/25/2013 has revealed that there is 1 NPL site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
NEWTOWN CREEK	*SOUTH END OF IVY HILL R*	*E 1/2 - 1 (0.946 mi.)*	*307*	*1130*

There is one site at the National Priority List database (NPL), also known as Superfund within one mile radius that is called NWETOWN CREEK and is located at the South End of Ivy Hill. This site is registered for a contaminated sediment plum resulting from numerous industrial activities along Newtown Creek. Contaminants found at the site are as fallows: Cadmium, Chromium, Lead, Mercury, Selenium, Toxaphene, Chlordane, Heptachlore and its Epoxide and Arsenic.

State and tribal Brownfields sites

NY BROWNFIELDS: Brownfields Site List

A review of the NY BROWNFIELDS list, as provided by EDR, and dated 05/19/2014 has revealed that there are 3 NY BROWNFIELDS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TEITELBAUM CLEANERS	*35-45 35TH ST*	*NE 1/8 - 1/4 (0.235 mi.)*	*AR247*	*836*
FRESH CLEANERS & LAUNDRY INC	*39-26 30TH ST*	*WSW 1/4 - 1/2 (0.302 mi.)*	*272*	*934*

Lower Elevation	Address	Direction / Distance	Map ID	Page
SILVER STAR AUTO RESOURCES LLC	***37-14 36TH STREET***	*ESE 0 - 1/8 (0.102 mi.)*	*H86*	*217*

There are 3 NY BROWNFIELDS sites within 0.5 miles of target property. Two of total 3 sites are located up-gradient and are "Teitelbaum Cleaners" located at 35-45 35th Street and "Fresh Cleaners & Laundry Inc." located at 39-26 30th Street. The "Silver Star Auto Resources LLC" is located at 37-14 36th Street and is down-gradient and within 1/8 mile from Target Property. This Site also has been used by several companies, including a gasoline service station, an automobile repair and carwash and an automotive dealership.

There is one site located within 1/8 mile from the target property called "King-Image Technologies" located at 33-06 37th Avenue is up-gradient and is listed at: RCRA-SQG (Small Quantity Generator), FINDS and NY Manifest lists.

State and tribal voluntary cleanup sites

NY VCP: Voluntary Cleanup Agreements. The voluntary remedial program uses private monies to get contaminated sites remediated to levels allowing for the sites' productive use. The program covers virtually any kind of site and contamination.

A review of the NY VCP list, as provided by EDR, and dated 05/19/2014 has revealed that **there** are 2 **NY VCP sites within approximately 0.5 miles of the target property.**

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LEVCO METALS	*34-11 36TH STREET*	***NE 1/8 - 1/4 (0.161 mi.)***	*Y165*	***428***

Lower Elevation	Address	Direction / Distance	Map ID	Page
STANDARD MOTOR PRODUCTS INC	*37-18 NORTHERN BLVD SIT*	***SE 1/8 - 1/4 (0.176 mi.)***	***AC185***	***497***

There are two NY VAPOR REOPENED and NY Voluntary Cleanup Agreements (VCP) sites located within 0.5 miles from target property. One site is called "LEVCO METALS PROPERTY" and is located up-gradient at 34-1 36th Street and second one is called "STANDARD MOTOR PRODUCTS, INC." down-gradient and located at 37-18 Northern Boulevard.

There are 42 NY LTANKS sites within approximately 0.5 miles of target property. There of 42 sites are located up-gradient and within 1/8 miles of target property and all Spills are closed.

There are 21 NY UST sites within 0.25 miles from target property. Six Underground Storage Tanks are located within 1/8 miles from target property.

There is a total of 49 Above Ground Storage Tanks (AST) within 0.25 miles. 17 of 49 ASTs are located within 1/8 miles from target property.

The subject property is listed on NY Spills and NY E DESIGNATION lists.

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
37-14 34TH ST 37-14 34TH STREET LONG ISLAND CITY, NY	NY Spills Spill Number/Closed Date: 9304387 / 3/8/1994	N/A
LOT 24,TAXBLOCK 375 37 14-16 34 STREET QUEENS, NY 11101	NY E DESIGNATION	N/A

The subject property is listed for one Spill. Spill No. 9304387 was reported on July 8, 1993. Unknown amount of #2 Fuel Oil was spilled due to 1,000 gal. equipment failure. Sample was collected and tested, laboratory results showed presence of Total Petroleum Hydrocarbon Content (TPHC). According to remarks soil borings had to be installed. Corrective actions were taken and spill was closed on March 08. 1994.

The Site is registered in the NY LTANKS list. Spill No. 9212419 was reported on February 2, 1993. A Tank Tester reported a #2 Fuel Oil leak. Corrective actions were taken and spill was closed on March 8, 1994.

The subject property is listed on E DESIGNATION list for E-218 since October 7, 2008. E Designation is for Hazardous Materials which include Phase I and Phase II Environmental Site Assessments as Testing Protocols and Exhaust stack Location Limits for #2 Fuel Oil or Natural Gas Heat and Hot Water.

EDR data shows that all surrounding properties are on E DESIGNATION list as E-218.

According to EDR Data the E-designation would require that, prior to the New York City Department of Buildings (DOB) issuing permits associated with redevelopment, the property owner conduct Phase I and Phase II ESAs, and re mediation where appropriate, to the satisfaction of the New York City Department of Environmental Protection ([DEP] pursuant to Section 11-15 of the Zoning Resolution—Environmental Requirements). The E-designation also requires mandatory construction-related health and safety plans (HASPs), which must also be approved by DEP. As properties are acquired by the City, it is anticipated that a Restrictive Declaration would be placed on them, which would supersede the E-designation, but require implementation of the same measures.

Any new residential and/or commercial development must use No. 2 oil or natural gas as the type of fuel for HVAC systems, and ensure that the boiler stack(s) is located at least 40 feet from the lot line facing 37th Ave when firing No. 2 oil, and at least 20 feet from the lot line facing 37th Ave when firing natural gas, to avoid any potential significant air quality impacts.

It would be prudent to anticipate conditions of environmental, safety and hygiene concern if any demolition/excavation and/or further development would be considered. The owner and the contractor(s) involved in such activities/operations should anticipate and be able to recognize, evaluate and control such conditions. Proper real-time monitoring would be recommended along with the potential implementation of all required engineering controls and hygiene practices. All these could be included in a Health and Safety Plan.

IV. FINDINGS AND OPINION

Our client engaged SAI Environmental Consultants to conduct an Environmental Site Assessment – Phase I (ESA-I) of the subject property. This assessment was prepared in general accordance with the American Society of Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (ASTM Designation: E1527-05).

All findings are summarized in the executive summary of this report.

V. CONCLUSIONS AND RECOMMENDATION

We have performed an Environmental Site Assessment – Phase I in conformance with the scope and limitations of ASTM Practice E1527. Any exceptions to, or deletions from, this practice are described in Section 11of this report.

Based upon known operations at the subject property, Sanborn Insurance Maps, a review of the published records of the regulatory agencies, and the field site investigation, no environmental concern were identified at the subject property.

The purpose of this environmental assessment was to provide environmental information necessary to make prudent property financial action decisions. The work reported was done in accordance with professional standards applicable to the industry today. The results of this audit and the contents of this report are subject to revision based on future events and/or investigations.

SAI Environmental Consultants assumes no responsibility for the property owner's actions related to the following:

- Violation of any federal, state or local statute or ordinance relating to identification or disposal of a hazardous substance or its constituents;
- Undertaking of, or arrangement for the handling, removal, treatment, storage, transportation, or disposal of hazardous substances or constituents found or identified, and;
- Changed conditions or hazardous substances or constituents introduced at the properties by Client or third persons to this contract during or after the completion of services provided by this report.

VI. REFERENCES

The following documents, maps, or other publications may have been used in the preparation of this report.

- American Society for Testing and Materials Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (ASTM E1527-05).
- American Society for Testing and Materials Guide for Environmental Site Assessments: Transaction Screen Process (ASTM E1528).
- Resource Conservation and Recovery Act, as amended ("RCRA"), 42 U.S.C. §6901, et. seq.
- United States Geological Survey, Topographic Maps.

VII. SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

We declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in §312.10 of 40 CFR 312. We have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

The qualifications of the environmental professional(s) and personnel conducting the site reconnaissance and interviews will be furnished upon request.

Prepared by:

Bill Bellos

VIII. APPENDIX A – AERIAL PHOTOS

IX. APPENDIX B – SITE PHOTOS

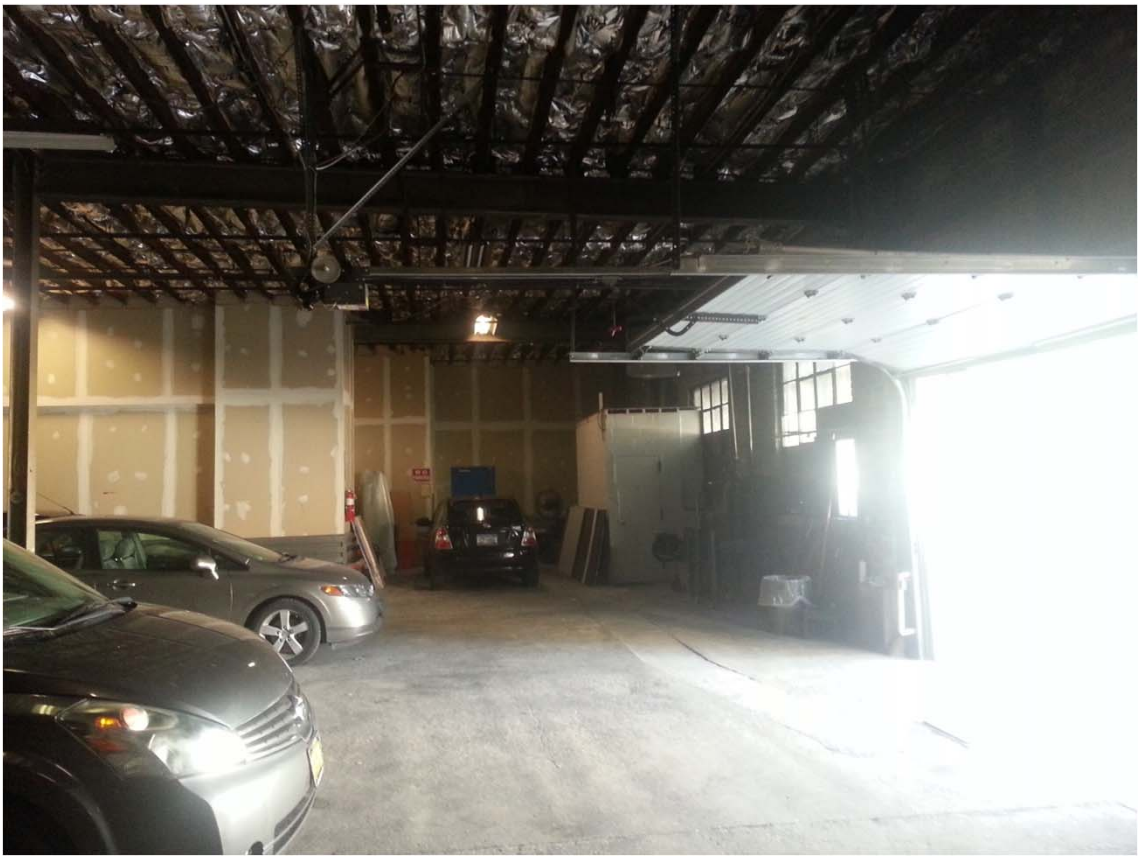
X. APPENDIX C - THE EDR REPORT

A. Radius Map™ Report with GeoCheck®Certified Sanborn® Map Report - Title: 2
B. Certified Sanborn® Map Report – Title: 3
C. The EDR Historical Topographic Map Report – Title: 4
D. The EDR Aerial Photo Decade Package – Title: 5
E. The EDR-City Directory Abstract – Title: 6
F. The EDR Environmental LienSearch™ Report – Title: 7
G. The EDR Property Tax Map Report – Title: 8
H. EDR Building Permit Report – Title: 11

APPENDIX B

PHOTOGRAPHS

ILLEGALLY
PARKED CARS
WILL BE TOWED AWAY
AT OWNERS EXPENSE
CITI TOWING
24 HOURS (718) 416-2000
PRIVATE
PARKING



EXIT

SB-2

APPENDIX C

GEOPHYSICAL SURVEY REPORT

Sunday, February 08, 2015

Athenica Environmental Services
45-09 Greenpoint Avenue
Long Island City, New York 11104
Attn: ***Ezgi Karayel***
Phone: 718-784-7490

Re: GPR Investigation and Inspection of Utilities –37-14 34th Street, Long Island City, NY

Ms. Karayel

I appreciate the opportunity to work with you and the Athenica Environmental Services Company. All things considered I am pleased with the results of our survey from Wednesday 1.14.15.

Ground penetrating radar was used to inspect and locate all underground utilities at the address listed above around 5 proposed soil boring locations. The location was surveyed to locate any utilities that may be in the area prior to the drilling process. The purpose of this survey was to simply, locate all underground utilities to avoid any of them being struck during the drilling process.

On the following pages you will find information regarding the equipment we used, the survey process executed on site, and information on the results of the survey. Additionally, you will find photos of the areas surveyed for reference.

Equipment:

We used a GSSI (Geophysical Survey Systems, Inc) Ground Penetrating Radar Unit with one specific antenna. The GPR head unit is classified as a SIR-3000. The antenna used on this project was a 400MHz antenna which is capable of reaching depths between 5'-7' in the Tri-State Area. This specific antenna was created and calibrated specifically for locating underground utilities, UST's, and other underground anomalies. This equipment represents the latest technology available from GSSI. We have found the typical accuracy when surveying with the 400MHz antenna to be +/- 3" to the center of the object being located.

When determining the depth of an object GPR generally has a 10% margin of error. Please keep in mind that these statistics are based on ideal concrete conditions and may not necessarily reflect the findings from your project.

Finally, we also use an electro-magnetic tone locating device manufactured by Radio Detection. The specific model that we use on projects is an RD-7000. This device detects live power and RF signals underground, allowing us to locate electrical or telephone lines even if they are below the minimum size

Ken Williams
Ground Penetrating Radar Systems
(718)744-4246
Ken.williams@gp-radar.com

requirements to be detected by GPR. It also allows us to detect utilities via induction or conduction with an exposed or known surface of the utility.

Survey Process/Results:

We covered all areas requested in the scope noted above in a grid pattern (North-South and East-West). Scans were placed on 4-5' centers in the areas scanned. This allows us the maximum amount of coverage. We then surveyed and marked any anomalies on the surface using typical spray marking paint. If and when utilities were discovered their path was painted directly on the surface. It is our estimate that we were able to penetrate to a depth of 5' on this project. The location was scanned around each soil boring location. Being able to locate utilities running into the property lets us know we are receiving accurate data on this site. Additionally, we then used the Rd-7000 to mark any signals we picked up running in or below the surface. All findings are marked out on the surface.

Conclusion:

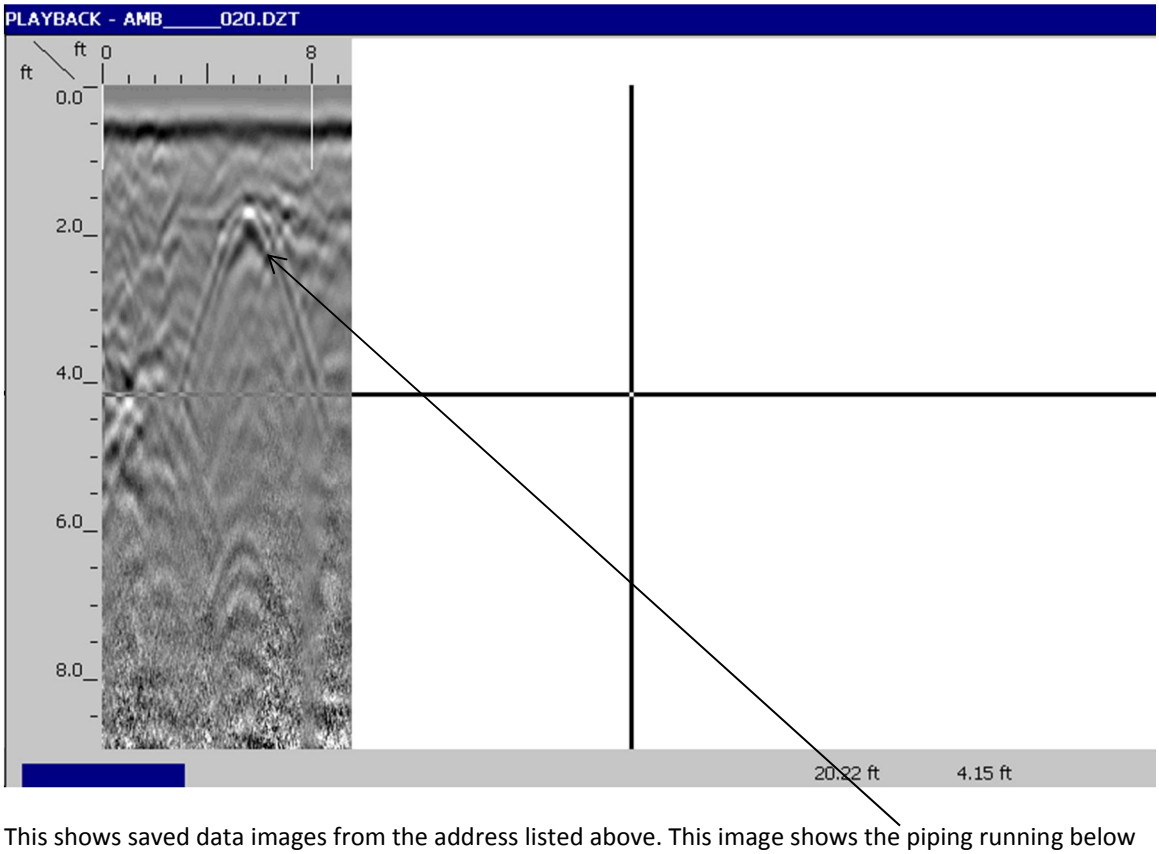
The results above are based on the field findings from the relatively simple survey conducted. Again, restating the findings. All utilities are marked out on the surface using spray paint directly on surface.

On the following pages I have included pictures of the areas detailed and discussed above showing the areas surveyed for the utilities. If you have any questions regarding this inspection please do not hesitate to contact me. Thanks again for the opportunity and let us know if we can assist you in the future.

Regards,

Ken Williams
Ground Penetrating Radar Systems, Inc.
(718)744-4246

www.gp-radar.com



This shows saved data images from the address listed above. This image shows the piping running below the surface.

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This is a photo showing piping running through the front portion of the address listed above.

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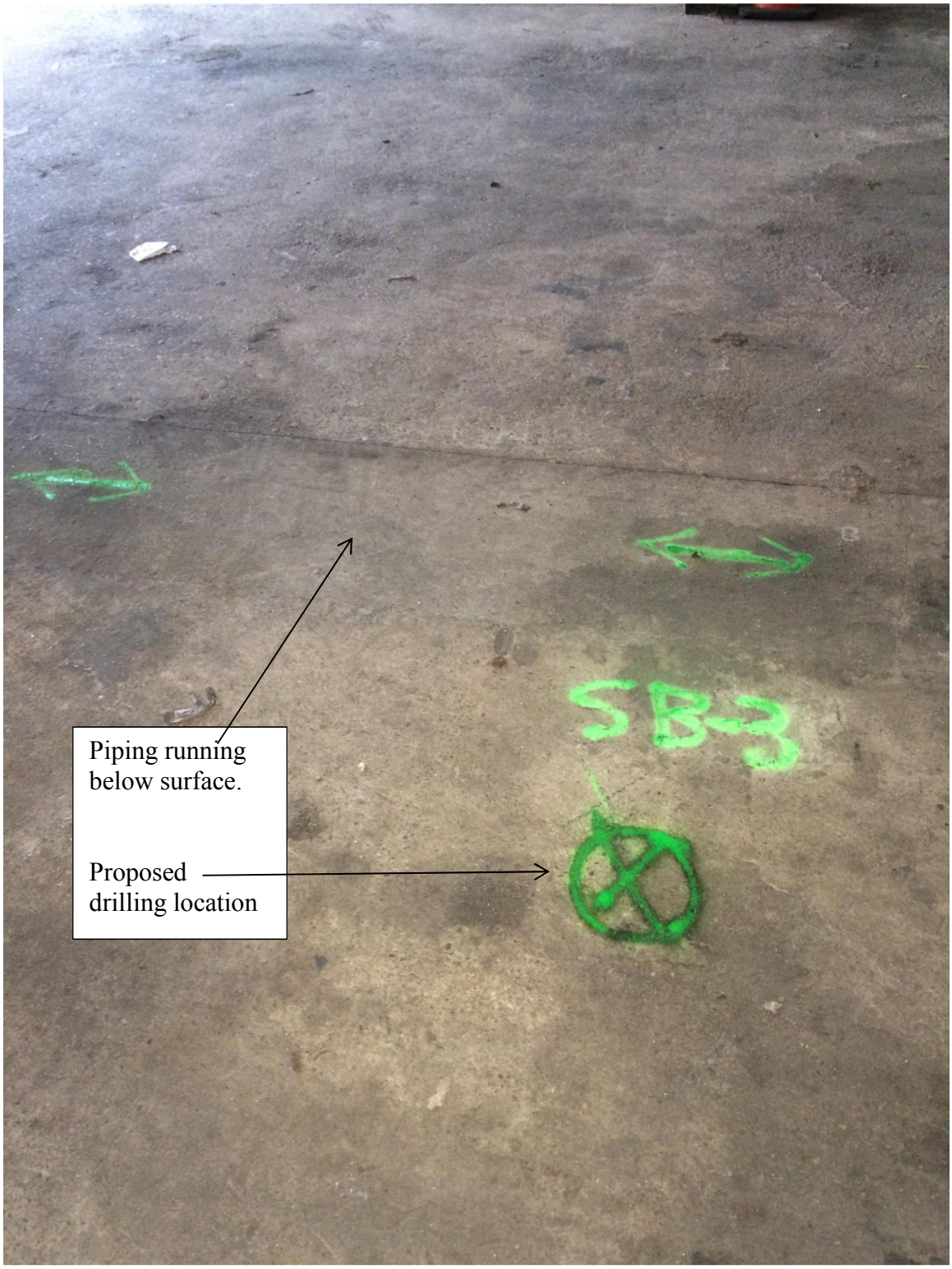

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This is a photo showing two proposed drilling locations. The RD-7000 detected a low voltage tone running through this area of the property.

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The green spray paint marking represent the center line of the piping detected at the address listed above.

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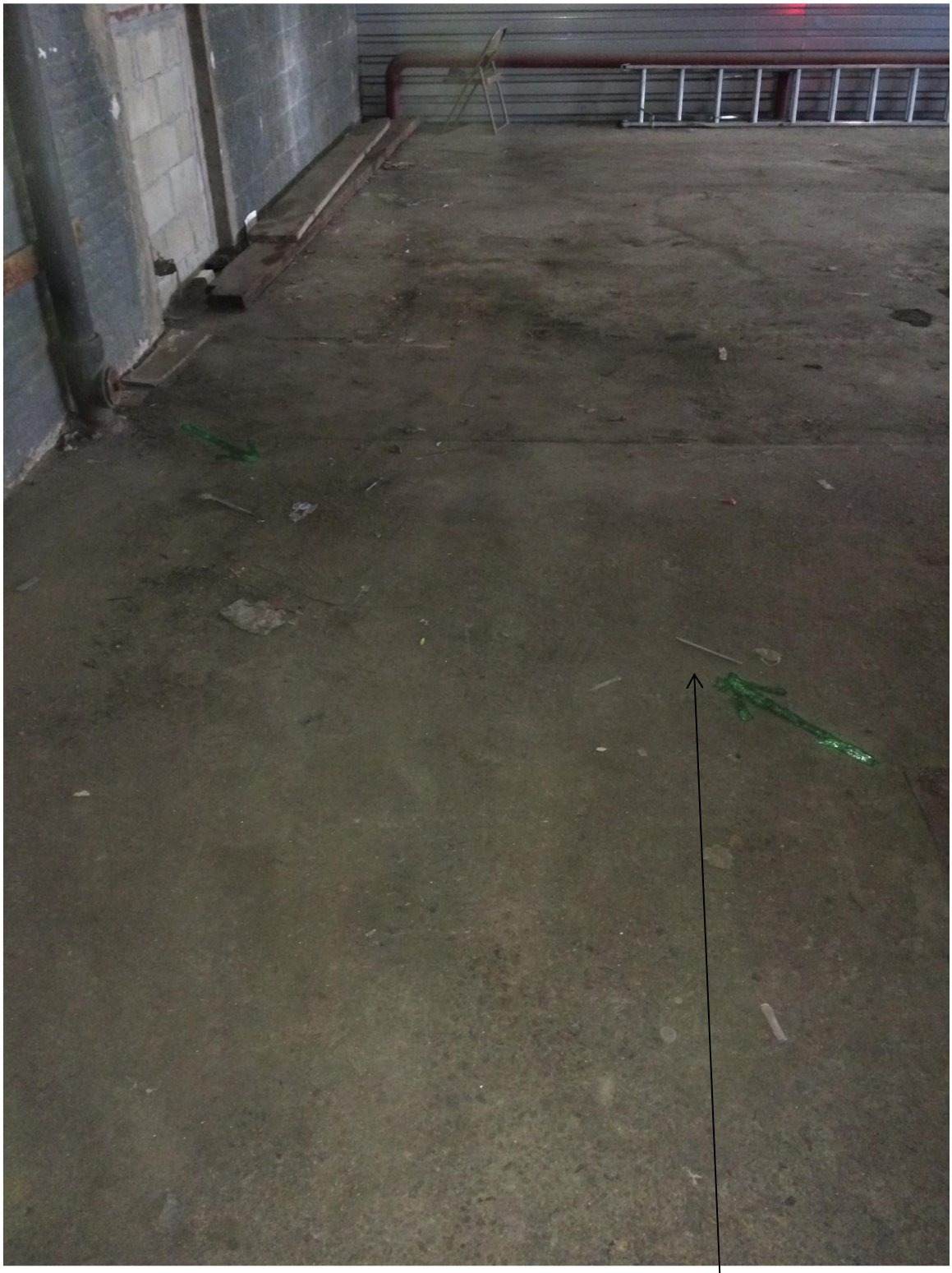

This is a photo showing the back portion of the address listed above. There was piping marked out on the surface with spray paint representing the center line of the pipe detected.

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APPENDIX D

SOIL BORING LOGS

ATHENICA ENVIRONMENTAL SERVICES, INC. Environmental Consultants 45-09 Greenpoint Avenue Long Island City, New York, 11104 Phone: 718-784-7490 Fax: 718-784-4085	**Client:** Constructamax Mgmt. **Job Name:** 37-14 to 37-18 34th St. **Job Number:** 14-133-1103	**Boring Number: SB-1** **Boring Location:** Northern portion of the site
Field Representatives: Michael Mandac	**Location:** 37-14 34th Street, Queens, NY	
Groundwater Observations: Yes	**Casing Sampler Type:** Geoprobe 6712 DT	**Date Start:** 01/14/15 **Date Completed:** 01/14/15

Depth (bgs)	Sample Number	Type	Recovery (in.)	Density or Moist	PID (ppm)	Field Identification of Soil	Remarks
0	SB-1 (0'-2')	G	24	Dry	0.3	4" concrete; light brown fine SAND NO OBSERVED STAINING OR ODORS	
2'	SB-1 (2'-4')		24	Dry	0.0	medium brown fine SAND NO OBSERVED STAINING OR ODORS	
4'	SB-1 (4'-6')		24	Dry	0.0	medium brown fine SAND NO OBSERVED STAINING OR ODORS	
6'	SB-1 (6'-8')		24	Dry	0.0	medium brown fine SAND NO OBSERVED STAINING OR ODORS	
8'	SB-1 (8'-10')		24	Dry	0.0	light brown fine SAND NO OBSERVED STAINING OR ODORS	
10'	SB-1 (10'-12')		24	Dry	0.0	medium brown fine SAND NO OBSERVED STAINING OR ODORS	
12'	SB-1 (12'-14')	G	24	Dry	0.0	medium brown fine SAND NO OBSERVED STAINING OR ODORS	
14'	SB-1 (14'-15')		12	Dry	0.0	medium brown fine SAND NO OBSERVED STAINING OR ODORS	
15'	SB-1 (15'-17')		24	Moist	0.0	medium brown fine SAND NO OBSERVED STAINING OR ODORS	
17'	SB-1 (17'-19')		24	Moist	0.0	damp medium brown fine SAND NO OBSERVED STAINING OR ODORS	
19'	SB-1 (19'-21')		24	Wet	0.0	wet medium brown fine SAND NO OBSERVED STAINING OR ODORS	
21'	SB-1 (21'-23')		24	Wet	0.0	wet medium brown fine SAND NO OBSERVED STAINING OR ODORS	
23'	SB-1 (23'-25')		24	Wet	0.0	wet medium brown fine SAND NO OBSERVED STAINING OR ODORS	

25' (Boring Termination Depth)

G = Grab sample collected for analysis
bgs = Below Ground Surface
=samples submitted to laboratory for analysis

ATHENICA ENVIRONMENTAL SERVICES, INC. Environmental Consultants 45-09 Greenpoint Avenue Long Island City, New York, 11104 Phone: 718-784-7490 Fax: 718-784-4085	**Client:** Constructamax Mgmt. **Job Name:** 37-14 to 37-18 34th St. **Job Number:** 14-133-1103	**Boring Number: SB-2** **Boring Location:** Center portion of the site
Field Representatives: Michael Mandac	**Location:** 37-14 34th Street, Queens, NY	
Groundwater Observations: Yes	**Casing Sampler Type:** Geoprobe 6712 DT	**Date Start:** 01/14/15 **Date Completed:** 01/14/15

Depth (bgs)	Sample Number	Type	Recovery (in.)	Density or Moist	PID (ppm)	Field Identification of Soil	Remarks
0	SB-1 (0'-2')	G	24	Dry	0.3	4" concrete; medium brown course SAND NO OBSERVED STAINING OR ODORS	
2'	SB-1 (2'-4')		24	Dry	0.0	medium brown coarse SAND NO OBSERVED STAINING OR ODORS	
4'	SB-1 (4'-6')		24	Dry	0.0	medium brown fine SAND NO OBSERVED STAINING OR ODORS	
6'	SB-1 (6'-8')		24	Dry	0.0	medium brown fine SAND NO OBSERVED STAINING OR ODORS	
8'	SB-1 (8'-10')		24	Dry	0.0	medium brown fine SAND NO OBSERVED STAINING OR ODORS	
10'	SB-1 (10'-12')		24	Dry	0.0	medium brown fine SAND NO OBSERVED STAINING OR ODORS	
12'	SB-1 (12'-14')	G	24	Dry	0.0	medium brown fine SAND NO OBSERVED STAINING OR ODORS	
14'	SB-1 (14'-15')		12	Dry	0.0	slightly damp light to medium brown fine SAND NO OBSERVED STAINING OR ODORS	

15' (Boring Termination Depth)

G = Grab sample collected for analysis
bgs = Below Ground Surface
=samples submitted to laboratory for analysis

ATHENICA ENVIRONMENTAL SERVICES, INC. Environmental Consultants 45-09 Greenpoint Avenue Long Island City, New York, 11104 Phone: 718-784-7490 Fax: 718-784-4085	**Client:** Constructamax Mgmt. **Job Name:** 37-14 to 37-18 34th St. **Job Number:** 14-133-1103	**Boring Number: SB-3** **Boring Location:** Southern portion of the site
Field Representatives: Michael Mandac	**Location:** 37-14 34th Street, Queens, NY	
Groundwater Observations: Yes	**Casing Sampler Type:** Geoprobe 6712 DT	**Date Start:** 01/14/15 **Date Completed:** 01/14/15

Depth (bgs)	Sample Number	Type	Recovery (in.)	Density or Moist	PID (ppm)	Field Identification of Soil	Remarks
0	SB-1 (0'-2')	G	24	Dry	0.3	4" concrete; crushed red brick; medium brown fine SAND NO OBSERVED STAINING OR ODORS	
2'	SB-1 (2'-4')		24	Dry	0.0	medium brown fine SAND NO OBSERVED STAINING OR ODORS	
4'	SB-1 (4'-6')		24	Dry	0.0	medium brown fine SAND NO OBSERVED STAINING OR ODORS	
6'	SB-1 (6'-8')		24	Dry	0.0	medium brown fine SAND NO OBSERVED STAINING OR ODORS	
8'	SB-1 (8'-10')		24	Dry	0.0	medium brown fine SAND NO OBSERVED STAINING OR ODORS	
10'	SB-1 (10'-12')		24	Dry	0.0	medium brown fine SAND NO OBSERVED STAINING OR ODORS	
12'	SB-1 (12'-14')	G	24	Dry	0.0	light brown fine SAND NO OBSERVED STAINING OR ODORS	
14'	SB-1 (14'-15')		12	Dry	0.0	medium brown fine SAND NO OBSERVED STAINING OR ODORS	

15' (Boring Termination Depth)

G = Grab sample collected for analysis
bgs = Below Ground Surface
=samples submitted to laboratory for analysis

APPENDIX E

MONITORING WELL CONSTRUCTION LOGS

ATHENICA ENVIRONMENTAL SERVICES, INC.
Environmental Engineering Consultants

JOB NAME: 37-14 34th Street

MW-1

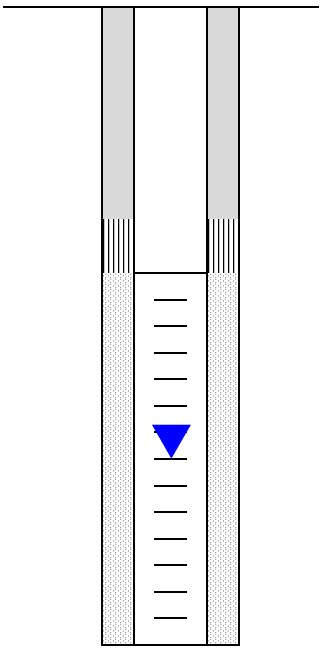
ADDRESS: 37-14 34th Street
Long Island City, NY

DRILLING METHOD: Direct Push
DRILLER: C-Squared

INSTALLATION DATE: 1/14/15
DEPTH TO WATER: 19 feet from top of PVC riser

HEIGHT OF STICK-UP: 0.00
DEPTH TO PRODUCT: N/A

Depth from Ground Surface (feet)	
0.00	Top of Casing 1" PVC Ground Surface
	Dirt back-fill Layer
9.00	Bottom of dirt back-fill / Top of Bentonite Layer Bentonite Layer
10.00	Botttom of Bentonite layer / Top of Well Screen
19.50	Depth to Water
25.00	Bottom of Well Screen* / PVC Bottom Plug



*Well screen consists of a slotted PVC pipe surrounded by environmental grade sand. The inner component of the screen is a flush-threaded, 2.0-inch Schedule 40 PVC pipe with 0.02-inch slots.

NOT TO SCALE

ATHENICA ENVIRONMENTAL SERVICES, INC.
Environmental Engineering Consultants

MW-2

JOB NAME: 37-14 34th Street

ADDRESS: 37-14 34th Street
Long Island City, NY

INSTALLATION DATE: 1/14/15

HEIGHT OF STICK-UP: 0.00

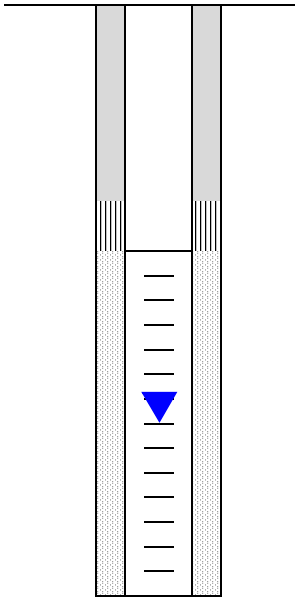
DRILLING METHOD: Direct Push

DRILLER: C-Squared

DEPTH TO WATER: 19 feet from top of PVC riser

DEPTH TO PRODUCT: N/A

Depth from Ground Surface (feet)	
0.00	Top of Casing 1" PVC Ground Surface
	Dirt back-fill Layer
9.00	Bottom of dirt back-fill / Top of Bentonite Layer Bentonite Layer
10.00	Botttom of Bentonite layer / Top of Well Screen
19.40	Depth to Water
25.00	Bottom of Well Screen* / PVC Bottom Plug



*Well screen consists of a slotted PVC pipe surrounded by environmental grade sand. The inner component of the screen is a flush-threaded, 2.0-inch Schedule 40 PVC pipe with 0.02-inch slots.

NOT TO SCALE

APPENDIX F

SOIL VAPOR SAMPLING LOG

E-Designation Remedial Investigation - Soil Vapor

37-14 34th Street, Long Island City, New York 11104

Sample ID	Sample Date	Flow Rate (L/min)	Start		End	
			Time	Canister Pressure in Field (Hg)	Time	Canister Pressure in Field (Hg)
SV-1 (Y35)	1/15/2015	< 0.2 L/min	8:50 AM	30	1:51 PM	5

APPENDIX G

LABORATORY DELIVERABLES FOR SOIL ANALYTICAL DATA

Technical Report

prepared for:

Athenica Environmental Services, Inc.
45-09 Greenpoint Avenue
Long Island City NY, 11104
Attention: Michael Mandac

Report Date: 01/21/2015
Client Project ID: 14-133-1103 37-14 34th Street
York Project (SDG) No.: 15A0405

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: 01/21/2015
Client Project ID: 14-133-1103 37-14 34th Street
York Project (SDG) No.: 15A0405

Athenica Environmental Services, Inc.
45-09 Greenpoint Avenue
Long Island City NY, 11104
Attention: Michael Mandac

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 January 14, 2015 and listed below. The project was identified as your project: **14-133-1103 37-14 34th Street**.

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
15A0405-01	SB-1 (0-2')	Soil	01/14/2015	01/14/2015
15A0405-02	SB-1 (12-14')	Soil	01/14/2015	01/14/2015
15A0405-03	SB-2(0-2')	Soil	01/14/2015	01/14/2015
15A0405-04	SB-2 (12-14')	Soil	01/14/2015	01/14/2015
15A0405-05	SB-3 (0-2')	Soil	01/14/2015	01/14/2015
15A0405-06	SB-3 (12-14')	Soil	01/14/2015	01/14/2015

General Notes for York Project (SDG) No.: 15A0405

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:** 01/21/2015

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: **SB-1 (0-2')** **York Sample ID:** **15A0405-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0405	14-133-1103 37-14 34th Street	Soil	January 14, 2015 3:00 pm	01/14/2015

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	01/19/2015 08:02	01/19/2015 17:05	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	01/19/2015 08:02	01/19/2015 17:05	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	01/19/2015 08:02	01/19/2015 17:05	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	01/19/2015 08:02	01/19/2015 17:05	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	01/19/2015 08:02	01/19/2015 17:05	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	01/19/2015 08:02	01/19/2015 17:05	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	01/19/2015 08:02	01/19/2015 17:05	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	01/19/2015 08:02	01/19/2015 17:05	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	01/19/2015 08:02	01/19/2015 17:05	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	01/19/2015 08:02	01/19/2015 17:05	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	01/19/2015 08:02	01/19/2015 17:05	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	01/19/2015 08:02	01/19/2015 17:05	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	01/19/2015 08:02	01/19/2015 17:05	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	01/19/2015 08:02	01/19/2015 17:05	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	01/19/2015 08:02	01/19/2015 17:05	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	01/19/2015 08:02	01/19/2015 17:05	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	01/19/2015 08:02	01/19/2015 17:05	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	01/19/2015 08:02	01/19/2015 17:05	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	01/19/2015 08:02	01/19/2015 17:05	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	110	220	1	EPA 8260C	01/19/2015 08:02	01/19/2015 17:05	SS
110-82-7	Cyclohexane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	01/19/2015 08:02	01/19/2015 17:05	SS
78-93-3	2-Butanone	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	01/19/2015 08:02	01/19/2015 17:05	SS
591-78-6	2-Hexanone	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	01/19/2015 08:02	01/19/2015 17:05	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	01/19/2015 08:02	01/19/2015 17:05	SS
67-64-1	**Acetone**	**13**	Cal-E	ug/kg dry	5.6	11	1	EPA 8260C	01/19/2015 08:02	01/19/2015 17:05	SS
107-02-8	Acrolein	ND		ug/kg dry	5.6	11	1	EPA 8260C	01/19/2015 08:02	01/19/2015 17:05	SS
107-13-1	Acrylonitrile	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	01/19/2015 08:02	01/19/2015 17:05	SS
71-43-2	Benzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	01/19/2015 08:02	01/19/2015 17:05	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	01/19/2015 08:02	01/19/2015 17:05	SS
75-25-2	Bromoform	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	01/19/2015 08:02	01/19/2015 17:05	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	01/19/2015 08:02	01/19/2015 17:05	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	01/19/2015 08:02	01/19/2015 17:05	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	01/19/2015 08:02	01/19/2015 17:05	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	01/19/2015 08:02	01/19/2015 17:05	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	01/19/2015 08:02	01/19/2015 17:05	SS
67-66-3	Chloroform	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	01/19/2015 08:02	01/19/2015 17:05	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	01/19/2015 08:02	01/19/2015 17:05	SS

Sample Information

Client Sample ID: **SB-1 (0-2')** **York Sample ID:** **15A0405-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0405	14-133-1103 37-14 34th Street	Soil	January 14, 2015 3:00 pm	01/14/2015

Volatile Organics, NJDEP/TCL/Part 375 List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	01/19/2015 08:02	01/19/2015 17:05	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	01/19/2015 08:02	01/19/2015 17:05	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	01/19/2015 08:02	01/19/2015 17:05	SS
74-95-3	Dibromomethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	01/19/2015 08:02	01/19/2015 17:05	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	01/19/2015 08:02	01/19/2015 17:05	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	01/19/2015 08:02	01/19/2015 17:05	SS
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	01/19/2015 08:02	01/19/2015 17:05	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	01/19/2015 08:02	01/19/2015 17:05	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	01/19/2015 08:02	01/19/2015 17:05	SS
79-20-9	Methyl acetate	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	01/19/2015 08:02	01/19/2015 17:05	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	01/19/2015 08:02	01/19/2015 17:05	SS
75-09-2	Methylene chloride	ND		ug/kg dry	5.6	11	1	EPA 8260C	01/19/2015 08:02	01/19/2015 17:05	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	01/19/2015 08:02	01/19/2015 17:05	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	01/19/2015 08:02	01/19/2015 17:05	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	01/19/2015 08:02	01/19/2015 17:05	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	01/19/2015 08:02	01/19/2015 17:05	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.6	11	1	EPA 8260C	01/19/2015 08:02	01/19/2015 17:05	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	01/19/2015 08:02	01/19/2015 17:05	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	01/19/2015 08:02	01/19/2015 17:05	SS
100-42-5	Styrene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	01/19/2015 08:02	01/19/2015 17:05	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	01/19/2015 08:02	01/19/2015 17:05	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	01/19/2015 08:02	01/19/2015 17:05	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	01/19/2015 08:02	01/19/2015 17:05	SS
108-88-3	Toluene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	01/19/2015 08:02	01/19/2015 17:05	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	01/19/2015 08:02	01/19/2015 17:05	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	01/19/2015 08:02	01/19/2015 17:05	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	01/19/2015 08:02	01/19/2015 17:05	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	01/19/2015 08:02	01/19/2015 17:05	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	01/19/2015 08:02	01/19/2015 17:05	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	8.4	17	1	EPA 8260C	01/19/2015 08:02	01/19/2015 17:05	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*111 %*	*77-125*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*92.2 %*	*76-130*
2037-26-5	*Surrogate: Toluene-d8*	*98.5 %*	*85-120*

Sample Information

Client Sample ID: **SB-1 (0-2')** **York Sample ID:** **15A0405-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0405	14-133-1103 37-14 34th Street	Soil	January 14, 2015 3:00 pm	01/14/2015

Semi-Volatiles, NJDEP/TCL/Part 375 List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	21.2	42.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 09:33	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	21.2	42.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 09:33	KH
98-86-2	Acetophenone	ND		ug/kg dry	21.2	42.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 09:33	KH
62-53-3	Aniline	ND		ug/kg dry	84.8	170	1	EPA 8270D	01/16/2015 13:07	01/19/2015 09:33	KH
120-12-7	Anthracene	ND		ug/kg dry	21.2	42.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 09:33	KH
1912-24-9	Atrazine	ND		ug/kg dry	21.2	42.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 09:33	KH
100-52-7	Benzaldehyde	ND		ug/kg dry	21.2	42.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 09:33	KH
92-87-5	Benzidine	ND		ug/kg dry	84.8	170	1	EPA 8270D	01/16/2015 13:07	01/19/2015 09:33	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	21.2	42.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 09:33	KH
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	21.2	42.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 09:33	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	21.2	42.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 09:33	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	21.2	42.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 09:33	KH
65-85-0	Benzoic acid	ND		ug/kg dry	21.2	42.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 09:33	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	21.2	42.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 09:33	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	21.2	42.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 09:33	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	21.2	42.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 09:33	KH
92-52-4	1,1'-Biphenyl	ND		ug/kg dry	21.2	42.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 09:33	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	21.2	42.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 09:33	KH
105-60-2	Caprolactam	ND		ug/kg dry	42.3	84.6	1	EPA 8270D	01/16/2015 13:07	01/19/2015 09:33	KH
86-74-8	Carbazole	ND		ug/kg dry	21.2	42.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 09:33	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	21.2	42.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 09:33	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	21.2	42.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 09:33	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	21.2	42.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 09:33	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	21.2	42.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 09:33	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	21.2	42.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 09:33	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	21.2	42.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 09:33	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	21.2	42.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 09:33	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	21.2	42.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 09:33	KH
218-01-9	Chrysene	ND		ug/kg dry	21.2	42.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 09:33	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	21.2	42.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 09:33	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	21.2	42.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 09:33	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	21.2	42.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 09:33	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	21.2	42.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 09:33	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	21.2	42.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 09:33	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	21.2	42.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 09:33	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	21.2	42.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 09:33	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	21.2	42.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 09:33	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	21.2	42.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 09:33	KH

Sample Information

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

York Sample ID: 15A0405-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0405	14-133-1103 37-14 34th Street	Soil	January 14, 2015 3:00 pm	01/14/2015

Semi-Volatiles, NJDEP/TCL/Part 375 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
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	21.2	42.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 09:33	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	21.2	42.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 09:33	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	42.3	84.6	1	EPA 8270D	01/16/2015 13:07	01/19/2015 09:33	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	42.3	84.6	1	EPA 8270D	01/16/2015 13:07	01/19/2015 09:33	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	21.2	42.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 09:33	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	21.2	42.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 09:33	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	21.2	42.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 09:33	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	21.2	42.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 09:33	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	21.2	42.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 09:33	KH
206-44-0	Fluoranthene	ND		ug/kg dry	21.2	42.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 09:33	KH
86-73-7	Fluorene	ND		ug/kg dry	21.2	42.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 09:33	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	21.2	42.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 09:33	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	21.2	42.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 09:33	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	21.2	42.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 09:33	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	21.2	42.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 09:33	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	21.2	42.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 09:33	KH
78-59-1	Isophorone	ND		ug/kg dry	21.2	42.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 09:33	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	21.2	42.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 09:33	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	21.2	42.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 09:33	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	21.2	42.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 09:33	KH
91-20-3	Naphthalene	ND		ug/kg dry	21.2	42.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 09:33	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	42.3	84.6	1	EPA 8270D	01/16/2015 13:07	01/19/2015 09:33	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	42.3	84.6	1	EPA 8270D	01/16/2015 13:07	01/19/2015 09:33	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	42.3	84.6	1	EPA 8270D	01/16/2015 13:07	01/19/2015 09:33	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	21.2	42.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 09:33	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	21.2	42.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 09:33	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	42.3	84.6	1	EPA 8270D	01/16/2015 13:07	01/19/2015 09:33	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	21.2	42.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 09:33	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	21.2	42.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 09:33	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	21.2	42.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 09:33	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	21.2	42.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 09:33	KH
85-01-8	Phenanthrene	ND		ug/kg dry	21.2	42.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 09:33	KH
108-95-2	Phenol	ND		ug/kg dry	21.2	42.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 09:33	KH
129-00-0	Pyrene	ND		ug/kg dry	21.2	42.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 09:33	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	42.3	84.6	1	EPA 8270D	01/16/2015 13:07	01/19/2015 09:33	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	42.3	84.6	1	EPA 8270D	01/16/2015 13:07	01/19/2015 09:33	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	21.2	42.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 09:33	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	21.2	42.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 09:33	KH

Sample Information

Client Sample ID: **SB-1 (0-2')** **York Sample ID:** **15A0405-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0405	14-133-1103 37-14 34th Street	Soil	January 14, 2015 3:00 pm	01/14/2015

Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	21.2	42.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 09:33	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*77.7 %*	*10-99*
4165-62-2	*Surrogate: Phenol-d5*	*80.5 %*	*10-108*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*75.2 %*	*10-119*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*72.4 %*	*10-114*
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*58.8 %*	*10-106*
1718-51-0	*Surrogate: Terphenyl-d14*	*72.5 %*	*10-123*

Pesticides, 8081 target list

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	2.51	2.51	5	EPA 8081B	01/15/2015 20:00	01/16/2015 16:30	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	2.51	2.51	5	EPA 8081B	01/15/2015 20:00	01/16/2015 16:30	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	2.51	2.51	5	EPA 8081B	01/15/2015 20:00	01/16/2015 16:30	JW
309-00-2	Aldrin	ND		ug/kg dry	2.51	2.51	5	EPA 8081B	01/15/2015 20:00	01/16/2015 16:30	JW
319-84-6	alpha-BHC	ND		ug/kg dry	2.51	2.51	5	EPA 8081B	01/15/2015 20:00	01/16/2015 16:30	JW
319-85-7	beta-BHC	ND		ug/kg dry	2.51	2.51	5	EPA 8081B	01/15/2015 20:00	01/16/2015 16:30	JW
57-74-9	Chlordane, total	ND		ug/kg dry	100	100	5	EPA 8081B	01/15/2015 20:00	01/16/2015 16:30	JW
5103-74-2	gamma-Chlordane	ND		ug/kg dry	2.51	2.51	5	EPA 8081B	01/15/2015 20:00	01/16/2015 16:30	JW
319-86-8	delta-BHC	ND		ug/kg dry	2.51	2.51	5	EPA 8081B	01/15/2015 20:00	01/16/2015 16:30	JW
60-57-1	Dieldrin	ND		ug/kg dry	2.51	2.51	5	EPA 8081B	01/15/2015 20:00	01/16/2015 16:30	JW
959-98-8	Endosulfan I	ND		ug/kg dry	2.51	2.51	5	EPA 8081B	01/15/2015 20:00	01/16/2015 16:30	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	2.51	2.51	5	EPA 8081B	01/15/2015 20:00	01/16/2015 16:30	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	2.51	2.51	5	EPA 8081B	01/15/2015 20:00	01/16/2015 16:30	JW
72-20-8	Endrin	ND		ug/kg dry	2.51	2.51	5	EPA 8081B	01/15/2015 20:00	01/16/2015 16:30	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	2.51	2.51	5	EPA 8081B	01/15/2015 20:00	01/16/2015 16:30	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	2.51	2.51	5	EPA 8081B	01/15/2015 20:00	01/16/2015 16:30	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	2.51	2.51	5	EPA 8081B	01/15/2015 20:00	01/16/2015 16:30	JW
76-44-8	Heptachlor	ND		ug/kg dry	2.51	2.51	5	EPA 8081B	01/15/2015 20:00	01/16/2015 16:30	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	2.51	2.51	5	EPA 8081B	01/15/2015 20:00	01/16/2015 16:30	JW
5103-71-9	alpha-Chlordane	ND		ug/kg dry	2.51	2.51	5	EPA 8081B	01/15/2015 20:00	01/16/2015 16:30	JW
72-43-5	Methoxychlor	ND		ug/kg dry	12.6	12.6	5	EPA 8081B	01/15/2015 20:00	01/16/2015 16:30	JW
8001-35-2	Toxaphene	ND		ug/kg dry	127	127	5	EPA 8081B	01/15/2015 20:00	01/16/2015 16:30	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*62.9 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*80.8 %*	*30-140*

Sample Information

Client Sample ID: **SB-1 (0-2')** **York Sample ID:** **15A0405-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0405	14-133-1103 37-14 34th Street	Soil	January 14, 2015 3:00 pm	01/14/2015

Polychlorinated Biphenyls (PCB)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3545A

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	0.0254	0.0254	1	EPA 8082A	01/15/2015 20:00	01/16/2015 19:54	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0254	0.0254	1	EPA 8082A	01/15/2015 20:00	01/16/2015 19:54	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0254	0.0254	1	EPA 8082A	01/15/2015 20:00	01/16/2015 19:54	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0254	0.0254	1	EPA 8082A	01/15/2015 20:00	01/16/2015 19:54	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0254	0.0254	1	EPA 8082A	01/15/2015 20:00	01/16/2015 19:54	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0254	0.0254	1	EPA 8082A	01/15/2015 20:00	01/16/2015 19:54	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0254	0.0254	1	EPA 8082A	01/15/2015 20:00	01/16/2015 19:54	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0254	0.0254	1	EPA 8082A	01/15/2015 20:00	01/16/2015 19:54	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*77.3 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*70.1 %*	*30-140*

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**5870**		mg/kg dry	1.02	1.02	1	EPA 6010C	01/15/2015 14:23	01/15/2015 18:37	MW
7440-36-0	Antimony	ND		mg/kg dry	0.508	0.508	1	EPA 6010C	01/15/2015 14:23	01/15/2015 18:37	MW
7440-38-2	**Arsenic**	**1.79**		mg/kg dry	1.02	1.02	1	EPA 6010C	01/15/2015 14:23	01/15/2015 18:37	MW
7440-39-3	**Barium**	**36.8**		mg/kg dry	1.02	1.02	1	EPA 6010C	01/15/2015 14:23	01/15/2015 18:37	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.102	0.102	1	EPA 6010C	01/15/2015 14:23	01/15/2015 18:37	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.305	0.305	1	EPA 6010C	01/15/2015 14:23	01/15/2015 18:37	MW
7440-70-2	**Calcium**	**1950**		mg/kg dry	0.508	5.08	1	EPA 6010C	01/15/2015 14:23	01/15/2015 18:37	MW
7440-47-3	**Chromium**	**13.7**		mg/kg dry	0.508	0.508	1	EPA 6010C	01/15/2015 14:23	01/15/2015 18:37	MW
7440-48-4	**Cobalt**	**6.71**		mg/kg dry	0.508	0.508	1	EPA 6010C	01/15/2015 14:23	01/15/2015 18:37	MW
7440-50-8	**Copper**	**13.1**		mg/kg dry	0.508	0.508	1	EPA 6010C	01/15/2015 14:23	01/15/2015 18:37	MW
7439-89-6	**Iron**	**12200**		mg/kg dry	2.03	2.03	1	EPA 6010C	01/15/2015 14:23	01/15/2015 18:37	MW
7439-92-1	**Lead**	**2.53**		mg/kg dry	0.305	0.305	1	EPA 6010C	01/15/2015 14:23	01/15/2015 18:37	MW
7439-95-4	**Magnesium**	**2850**		mg/kg dry	5.08	5.08	1	EPA 6010C	01/15/2015 14:23	01/15/2015 18:37	MW
7439-96-5	**Manganese**	**274**		mg/kg dry	0.508	0.508	1	EPA 6010C	01/15/2015 14:23	01/15/2015 18:37	MW
7440-02-0	**Nickel**	**14.7**		mg/kg dry	0.508	0.508	1	EPA 6010C	01/15/2015 14:23	01/15/2015 18:37	MW
7440-09-7	**Potassium**	**762**		mg/kg dry	5.08	5.08	1	EPA 6010C	01/15/2015 14:23	01/15/2015 18:37	MW
7782-49-2	**Selenium**	**3.01**		mg/kg dry	1.02	1.02	1	EPA 6010C	01/15/2015 14:23	01/15/2015 18:37	MW
7440-22-4	Silver	ND		mg/kg dry	0.508	0.508	1	EPA 6010C	01/15/2015 14:23	01/15/2015 18:37	MW
7440-23-5	**Sodium**	**91.4**		mg/kg dry	10.2	10.2	1	EPA 6010C	01/15/2015 14:23	01/15/2015 18:37	MW
7440-28-0	Thallium	ND		mg/kg dry	1.02	1.02	1	EPA 6010C	01/15/2015 14:23	01/15/2015 18:37	MW
7440-62-2	**Vanadium**	**22.2**		mg/kg dry	1.02	1.02	1	EPA 6010C	01/15/2015 14:23	01/15/2015 18:37	MW
7440-66-6	**Zinc**	**33.6**		mg/kg dry	1.02	1.02	1	EPA 6010C	01/15/2015 14:23	01/15/2015 18:37	MW

Sample Information

Client Sample ID: **SB-1 (0-2')** **York Sample ID:** **15A0405-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0405	14-133-1103 37-14 34th Street	Soil	January 14, 2015 3:00 pm	01/14/2015

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0305	0.0305	1	EPA 7473	01/16/2015 06:55	01/16/2015 07:59	ALD

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**98.5**		%	0.100	0.100	1	SM 2540G	01/16/2015 11:09	01/16/2015 15:59	KK

Chromium, Hexavalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.355	0.508	1	EPA 7196A	01/19/2015 10:36	01/20/2015 15:27	KK

Chromium, Trivalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**13.7**		mg/L	0.00800	0.0100	1	Calculation	01/21/2015 16:40	01/21/2015 16:42	PAM

Sample Information

Client Sample ID: **SB-1 (12-14')** **York Sample ID:** **15A0405-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0405	14-133-1103 37-14 34th Street	Soil	January 14, 2015 3:00 pm	01/14/2015

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	3.8	7.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 18:59	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	3.8	7.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 18:59	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	3.8	7.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 18:59	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	3.8	7.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 18:59	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	3.8	7.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 18:59	BK
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	3.8	7.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 18:59	BK
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	3.8	7.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 18:59	BK

Sample Information

Client Sample ID: SB-1 (12-14')

York Sample ID: 15A0405-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0405	14-133-1103 37-14 34th Street	Soil	January 14, 2015 3:00 pm	01/14/2015

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-97-5	Bromochloromethane	ND		ug/kg dry	3.8	7.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 18:59	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	3.8	7.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 18:59	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	3.8	7.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 18:59	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	3.8	7.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 18:59	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.8	7.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 18:59	BK
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	3.8	7.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 18:59	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	3.8	7.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 18:59	BK
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	3.8	7.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 18:59	BK
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	3.8	7.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 18:59	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	3.8	7.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 18:59	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	3.8	7.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 18:59	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	3.8	7.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 18:59	BK
123-91-1	1,4-Dioxane	ND		ug/kg dry	150	300	1	EPA 8260C	01/20/2015 08:09	01/20/2015 18:59	BK
110-82-7	Cyclohexane	ND		ug/kg dry	3.8	7.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 18:59	BK
78-93-3	2-Butanone	ND		ug/kg dry	3.8	7.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 18:59	BK
591-78-6	2-Hexanone	ND		ug/kg dry	3.8	7.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 18:59	BK
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	3.8	7.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 18:59	BK
67-64-1	Acetone	ND		ug/kg dry	7.5	15	1	EPA 8260C	01/20/2015 08:09	01/20/2015 18:59	BK
107-02-8	Acrolein	ND		ug/kg dry	7.5	15	1	EPA 8260C	01/20/2015 08:09	01/20/2015 18:59	BK
107-13-1	Acrylonitrile	ND		ug/kg dry	3.8	7.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 18:59	BK
71-43-2	Benzene	ND		ug/kg dry	3.8	7.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 18:59	BK
75-27-4	Bromodichloromethane	ND		ug/kg dry	3.8	7.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 18:59	BK
75-25-2	Bromoform	ND		ug/kg dry	3.8	7.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 18:59	BK
74-83-9	Bromomethane	ND		ug/kg dry	3.8	7.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 18:59	BK
75-15-0	Carbon disulfide	ND		ug/kg dry	3.8	7.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 18:59	BK
56-23-5	Carbon tetrachloride	ND		ug/kg dry	3.8	7.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 18:59	BK
108-90-7	Chlorobenzene	ND		ug/kg dry	3.8	7.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 18:59	BK
75-00-3	Chloroethane	ND		ug/kg dry	3.8	7.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 18:59	BK
67-66-3	Chloroform	ND		ug/kg dry	3.8	7.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 18:59	BK
74-87-3	Chloromethane	ND		ug/kg dry	3.8	7.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 18:59	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	3.8	7.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 18:59	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	3.8	7.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 18:59	BK
124-48-1	Dibromochloromethane	ND		ug/kg dry	3.8	7.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 18:59	BK
74-95-3	Dibromomethane	ND		ug/kg dry	3.8	7.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 18:59	BK
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	3.8	7.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 18:59	BK
100-41-4	Ethyl Benzene	ND		ug/kg dry	3.8	7.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 18:59	BK
108-87-2	Methylcyclohexane	ND		ug/kg dry	3.8	7.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 18:59	BK
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	3.8	7.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 18:59	BK
98-82-8	Isopropylbenzene	ND		ug/kg dry	3.8	7.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 18:59	BK

Sample Information

Client Sample ID: **SB-1 (12-14')** **York Sample ID:** **15A0405-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0405	14-133-1103 37-14 34th Street	Soil	January 14, 2015 3:00 pm	01/14/2015

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-20-9	Methyl acetate	ND		ug/kg dry	3.8	7.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 18:59	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	3.8	7.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 18:59	BK
75-09-2	Methylene chloride	ND		ug/kg dry	7.5	15	1	EPA 8260C	01/20/2015 08:09	01/20/2015 18:59	BK
104-51-8	n-Butylbenzene	ND		ug/kg dry	3.8	7.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 18:59	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	3.8	7.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 18:59	BK
103-65-1	n-Propylbenzene	ND		ug/kg dry	3.8	7.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 18:59	BK
95-47-6	o-Xylene	ND		ug/kg dry	3.8	7.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 18:59	BK
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	7.5	15	1	EPA 8260C	01/20/2015 08:09	01/20/2015 18:59	BK
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	3.8	7.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 18:59	BK
135-98-8	sec-Butylbenzene	ND		ug/kg dry	3.8	7.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 18:59	BK
100-42-5	Styrene	ND		ug/kg dry	3.8	7.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 18:59	BK
98-06-6	tert-Butylbenzene	ND		ug/kg dry	3.8	7.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 18:59	BK
127-18-4	Tetrachloroethylene	ND		ug/kg dry	3.8	7.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 18:59	BK
108-88-3	Toluene	ND		ug/kg dry	3.8	7.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 18:59	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	3.8	7.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 18:59	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	3.8	7.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 18:59	BK
79-01-6	Trichloroethylene	ND		ug/kg dry	3.8	7.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 18:59	BK
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	3.8	7.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 18:59	BK
75-01-4	Vinyl Chloride	ND		ug/kg dry	3.8	7.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 18:59	BK
1330-20-7	Xylenes, Total	ND		ug/kg dry	11	23	1	EPA 8260C	01/20/2015 08:09	01/20/2015 18:59	BK

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*106 %*	*77-125*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*103 %*	*76-130*
2037-26-5	*Surrogate: Toluene-d8*	*105 %*	*85-120*

Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:05	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:05	KH
98-86-2	Acetophenone	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:05	KH
62-53-3	Aniline	ND		ug/kg dry	84.2	168	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:05	KH
120-12-7	Anthracene	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:05	KH
1912-24-9	Atrazine	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:05	KH
100-52-7	Benzaldehyde	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:05	KH
92-87-5	Benzidine	ND		ug/kg dry	84.2	168	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:05	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:05	KH
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:05	KH

Sample Information

Client Sample ID: **SB-1 (12-14')** **York Sample ID:** **15A0405-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0405	14-133-1103 37-14 34th Street	Soil	January 14, 2015 3:00 pm	01/14/2015

Semi-Volatiles, NJDEP/TCL/Part 375 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
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:05	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:05	KH
65-85-0	Benzoic acid	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:05	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:05	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:05	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:05	KH
92-52-4	1,1'-Biphenyl	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:05	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:05	KH
105-60-2	Caprolactam	ND		ug/kg dry	42.1	84.0	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:05	KH
86-74-8	Carbazole	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:05	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:05	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:05	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:05	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:05	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:05	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:05	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:05	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:05	KH
218-01-9	Chrysene	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:05	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:05	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:05	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:05	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:05	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:05	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:05	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:05	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:05	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:05	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:05	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:05	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	42.1	84.0	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:05	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	42.1	84.0	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:05	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:05	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:05	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:05	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:05	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:05	KH
206-44-0	Fluoranthene	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:05	KH

Sample Information

Client Sample ID: **SB-1 (12-14')** **York Sample ID:** **15A0405-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0405	14-133-1103 37-14 34th Street	Soil	January 14, 2015 3:00 pm	01/14/2015

Semi-Volatiles, NJDEP/TCL/Part 375 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
86-73-7	Fluorene	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:05	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:05	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:05	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:05	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:05	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:05	KH
78-59-1	Isophorone	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:05	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:05	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:05	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:05	KH
91-20-3	Naphthalene	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:05	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	42.1	84.0	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:05	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	42.1	84.0	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:05	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	42.1	84.0	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:05	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:05	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:05	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	42.1	84.0	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:05	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:05	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:05	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:05	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:05	KH
85-01-8	Phenanthrene	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:05	KH
108-95-2	Phenol	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:05	KH
129-00-0	Pyrene	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:05	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	42.1	84.0	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:05	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	42.1	84.0	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:05	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:05	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:05	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:05	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*61.5 %*	*10-99*
4165-62-2	*Surrogate: Phenol-d5*	*63.6 %*	*10-108*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*58.9 %*	*10-119*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*61.8 %*	*10-114*
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*52.2 %*	*10-106*
1718-51-0	*Surrogate: Terphenyl-d14*	*63.2 %*	*10-123*

Sample Information

Client Sample ID: **SB-1 (12-14')** **York Sample ID:** **15A0405-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0405	14-133-1103 37-14 34th Street	Soil	January 14, 2015 3:00 pm	01/14/2015

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	2.50	2.50	5	EPA 8081B	01/15/2015 20:00	01/16/2015 16:45	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	2.50	2.50	5	EPA 8081B	01/15/2015 20:00	01/16/2015 16:45	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	2.50	2.50	5	EPA 8081B	01/15/2015 20:00	01/16/2015 16:45	JW
309-00-2	Aldrin	ND		ug/kg dry	2.50	2.50	5	EPA 8081B	01/15/2015 20:00	01/16/2015 16:45	JW
319-84-6	alpha-BHC	ND		ug/kg dry	2.50	2.50	5	EPA 8081B	01/15/2015 20:00	01/16/2015 16:45	JW
319-85-7	beta-BHC	ND		ug/kg dry	2.50	2.50	5	EPA 8081B	01/15/2015 20:00	01/16/2015 16:45	JW
57-74-9	Chlordane, total	ND		ug/kg dry	99.9	99.9	5	EPA 8081B	01/15/2015 20:00	01/16/2015 16:45	JW
5103-74-2	gamma-Chlordane	ND		ug/kg dry	2.50	2.50	5	EPA 8081B	01/15/2015 20:00	01/16/2015 16:45	JW
319-86-8	delta-BHC	ND		ug/kg dry	2.50	2.50	5	EPA 8081B	01/15/2015 20:00	01/16/2015 16:45	JW
60-57-1	Dieldrin	ND		ug/kg dry	2.50	2.50	5	EPA 8081B	01/15/2015 20:00	01/16/2015 16:45	JW
959-98-8	Endosulfan I	ND		ug/kg dry	2.50	2.50	5	EPA 8081B	01/15/2015 20:00	01/16/2015 16:45	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	2.50	2.50	5	EPA 8081B	01/15/2015 20:00	01/16/2015 16:45	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	2.50	2.50	5	EPA 8081B	01/15/2015 20:00	01/16/2015 16:45	JW
72-20-8	Endrin	ND		ug/kg dry	2.50	2.50	5	EPA 8081B	01/15/2015 20:00	01/16/2015 16:45	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	2.50	2.50	5	EPA 8081B	01/15/2015 20:00	01/16/2015 16:45	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	2.50	2.50	5	EPA 8081B	01/15/2015 20:00	01/16/2015 16:45	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	2.50	2.50	5	EPA 8081B	01/15/2015 20:00	01/16/2015 16:45	JW
76-44-8	Heptachlor	ND		ug/kg dry	2.50	2.50	5	EPA 8081B	01/15/2015 20:00	01/16/2015 16:45	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	2.50	2.50	5	EPA 8081B	01/15/2015 20:00	01/16/2015 16:45	JW
5103-71-9	alpha-Chlordane	ND		ug/kg dry	2.50	2.50	5	EPA 8081B	01/15/2015 20:00	01/16/2015 16:45	JW
72-43-5	Methoxychlor	ND		ug/kg dry	12.5	12.5	5	EPA 8081B	01/15/2015 20:00	01/16/2015 16:45	JW
8001-35-2	Toxaphene	ND		ug/kg dry	126	126	5	EPA 8081B	01/15/2015 20:00	01/16/2015 16:45	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*68.0 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*80.5 %*	*30-140*

Sample Information

Client Sample ID: **SB-1 (12-14')** **York Sample ID:** **15A0405-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0405	14-133-1103 37-14 34th Street	Soil	January 14, 2015 3:00 pm	01/14/2015

Polychlorinated Biphenyls (PCB)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3545A

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	0.0252	0.0252	1	EPA 8082A	01/15/2015 20:00	01/16/2015 20:23	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0252	0.0252	1	EPA 8082A	01/15/2015 20:00	01/16/2015 20:23	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0252	0.0252	1	EPA 8082A	01/15/2015 20:00	01/16/2015 20:23	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0252	0.0252	1	EPA 8082A	01/15/2015 20:00	01/16/2015 20:23	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0252	0.0252	1	EPA 8082A	01/15/2015 20:00	01/16/2015 20:23	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0252	0.0252	1	EPA 8082A	01/15/2015 20:00	01/16/2015 20:23	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0252	0.0252	1	EPA 8082A	01/15/2015 20:00	01/16/2015 20:23	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0252	0.0252	1	EPA 8082A	01/15/2015 20:00	01/16/2015 20:23	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*85.2 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*73.6 %*	*30-140*

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**7470**		mg/kg dry	1.01	1.01	1	EPA 6010C	01/15/2015 14:23	01/15/2015 18:42	MW
7440-36-0	Antimony	ND		mg/kg dry	0.504	0.504	1	EPA 6010C	01/15/2015 14:23	01/15/2015 18:42	MW
7440-38-2	**Arsenic**	**1.59**		mg/kg dry	1.01	1.01	1	EPA 6010C	01/15/2015 14:23	01/15/2015 18:42	MW
7440-39-3	**Barium**	**48.2**		mg/kg dry	1.01	1.01	1	EPA 6010C	01/15/2015 14:23	01/15/2015 18:42	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.101	0.101	1	EPA 6010C	01/15/2015 14:23	01/15/2015 18:42	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.303	0.303	1	EPA 6010C	01/15/2015 14:23	01/15/2015 18:42	MW
7440-70-2	**Calcium**	**1890**		mg/kg dry	0.504	5.04	1	EPA 6010C	01/15/2015 14:23	01/15/2015 18:42	MW
7440-47-3	**Chromium**	**21.1**		mg/kg dry	0.504	0.504	1	EPA 6010C	01/15/2015 14:23	01/15/2015 18:42	MW
7440-48-4	**Cobalt**	**8.15**		mg/kg dry	0.504	0.504	1	EPA 6010C	01/15/2015 14:23	01/15/2015 18:42	MW
7440-50-8	**Copper**	**12.2**		mg/kg dry	0.504	0.504	1	EPA 6010C	01/15/2015 14:23	01/15/2015 18:42	MW
7439-89-6	**Iron**	**13800**		mg/kg dry	2.02	2.02	1	EPA 6010C	01/15/2015 14:23	01/15/2015 18:42	MW
7439-92-1	**Lead**	**2.16**		mg/kg dry	0.303	0.303	1	EPA 6010C	01/15/2015 14:23	01/15/2015 18:42	MW
7439-95-4	**Magnesium**	**5250**		mg/kg dry	5.04	5.04	1	EPA 6010C	01/15/2015 14:23	01/15/2015 18:42	MW
7439-96-5	**Manganese**	**251**		mg/kg dry	0.504	0.504	1	EPA 6010C	01/15/2015 14:23	01/15/2015 18:42	MW
7440-02-0	**Nickel**	**19.6**		mg/kg dry	0.504	0.504	1	EPA 6010C	01/15/2015 14:23	01/15/2015 18:42	MW
7440-09-7	**Potassium**	**1320**		mg/kg dry	5.04	5.04	1	EPA 6010C	01/15/2015 14:23	01/15/2015 18:42	MW
7782-49-2	**Selenium**	**3.66**		mg/kg dry	1.01	1.01	1	EPA 6010C	01/15/2015 14:23	01/15/2015 18:42	MW
7440-22-4	Silver	ND		mg/kg dry	0.504	0.504	1	EPA 6010C	01/15/2015 14:23	01/15/2015 18:42	MW
7440-23-5	**Sodium**	**146**		mg/kg dry	10.1	10.1	1	EPA 6010C	01/15/2015 14:23	01/15/2015 18:42	MW
7440-28-0	Thallium	ND		mg/kg dry	1.01	1.01	1	EPA 6010C	01/15/2015 14:23	01/15/2015 18:42	MW
7440-62-2	**Vanadium**	**25.9**		mg/kg dry	1.01	1.01	1	EPA 6010C	01/15/2015 14:23	01/15/2015 18:42	MW
7440-66-6	**Zinc**	**39.6**		mg/kg dry	1.01	1.01	1	EPA 6010C	01/15/2015 14:23	01/15/2015 18:42	MW

Sample Information

Client Sample ID: **SB-1 (12-14')** **York Sample ID:** **15A0405-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0405	14-133-1103 37-14 34th Street	Soil	January 14, 2015 3:00 pm	01/14/2015

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0303	0.0303	1	EPA 7473	01/16/2015 06:55	01/16/2015 09:04	ALD

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**99.1**		%	0.100	0.100	1	SM 2540G	01/16/2015 11:09	01/16/2015 15:59	KK

Chromium, Hexavalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.353	0.504	1	EPA 7196A	01/19/2015 10:36	01/20/2015 15:27	KK

Chromium, Trivalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**21.1**		mg/L	0.00800	0.0100	1	Calculation	01/21/2015 16:40	01/21/2015 16:42	PAM

Sample Information

Client Sample ID: **SB-2(0-2')** **York Sample ID:** **15A0405-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0405	14-133-1103 37-14 34th Street	Soil	January 14, 2015 3:00 pm	01/14/2015

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/20/2015 08:09	01/20/2015 19:44	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/20/2015 08:09	01/20/2015 19:44	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/20/2015 08:09	01/20/2015 19:44	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/20/2015 08:09	01/20/2015 19:44	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/20/2015 08:09	01/20/2015 19:44	BK
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/20/2015 08:09	01/20/2015 19:44	BK
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/20/2015 08:09	01/20/2015 19:44	BK

Sample Information

Client Sample ID: **SB-2(0-2')** **York Sample ID:** **15A0405-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0405	14-133-1103 37-14 34th Street	Soil	January 14, 2015 3:00 pm	01/14/2015

Volatile Organics, NJDEP/TCL/Part 375 List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-97-5	Bromochloromethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/20/2015 08:09	01/20/2015 19:44	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/20/2015 08:09	01/20/2015 19:44	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/20/2015 08:09	01/20/2015 19:44	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/20/2015 08:09	01/20/2015 19:44	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/20/2015 08:09	01/20/2015 19:44	BK
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/20/2015 08:09	01/20/2015 19:44	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/20/2015 08:09	01/20/2015 19:44	BK
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/20/2015 08:09	01/20/2015 19:44	BK
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/20/2015 08:09	01/20/2015 19:44	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/20/2015 08:09	01/20/2015 19:44	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/20/2015 08:09	01/20/2015 19:44	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/20/2015 08:09	01/20/2015 19:44	BK
123-91-1	1,4-Dioxane	ND		ug/kg dry	100	210	1	EPA 8260C	01/20/2015 08:09	01/20/2015 19:44	BK
110-82-7	Cyclohexane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/20/2015 08:09	01/20/2015 19:44	BK
78-93-3	2-Butanone	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/20/2015 08:09	01/20/2015 19:44	BK
591-78-6	2-Hexanone	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/20/2015 08:09	01/20/2015 19:44	BK
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/20/2015 08:09	01/20/2015 19:44	BK
67-64-1	**Acetone**	**19**	Cal-E, CCV-E	ug/kg dry	5.2	10	1	EPA 8260C	01/20/2015 08:09	01/20/2015 19:44	BK
107-02-8	Acrolein	ND		ug/kg dry	5.2	10	1	EPA 8260C	01/20/2015 08:09	01/20/2015 19:44	BK
107-13-1	Acrylonitrile	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/20/2015 08:09	01/20/2015 19:44	BK
71-43-2	Benzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/20/2015 08:09	01/20/2015 19:44	BK
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/20/2015 08:09	01/20/2015 19:44	BK
75-25-2	Bromoform	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/20/2015 08:09	01/20/2015 19:44	BK
74-83-9	Bromomethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/20/2015 08:09	01/20/2015 19:44	BK
75-15-0	Carbon disulfide	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/20/2015 08:09	01/20/2015 19:44	BK
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/20/2015 08:09	01/20/2015 19:44	BK
108-90-7	Chlorobenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/20/2015 08:09	01/20/2015 19:44	BK
75-00-3	Chloroethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/20/2015 08:09	01/20/2015 19:44	BK
67-66-3	Chloroform	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/20/2015 08:09	01/20/2015 19:44	BK
74-87-3	Chloromethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/20/2015 08:09	01/20/2015 19:44	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/20/2015 08:09	01/20/2015 19:44	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/20/2015 08:09	01/20/2015 19:44	BK
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/20/2015 08:09	01/20/2015 19:44	BK
74-95-3	Dibromomethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/20/2015 08:09	01/20/2015 19:44	BK
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/20/2015 08:09	01/20/2015 19:44	BK
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/20/2015 08:09	01/20/2015 19:44	BK
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/20/2015 08:09	01/20/2015 19:44	BK
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/20/2015 08:09	01/20/2015 19:44	BK

Sample Information

Client Sample ID: **SB-2(0-2')** **York Sample ID:** **15A0405-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0405	14-133-1103 37-14 34th Street	Soil	January 14, 2015 3:00 pm	01/14/2015

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/20/2015 08:09	01/20/2015 19:44	BK
79-20-9	Methyl acetate	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/20/2015 08:09	01/20/2015 19:44	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/20/2015 08:09	01/20/2015 19:44	BK
75-09-2	Methylene chloride	ND		ug/kg dry	5.2	10	1	EPA 8260C	01/20/2015 08:09	01/20/2015 19:44	BK
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/20/2015 08:09	01/20/2015 19:44	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/20/2015 08:09	01/20/2015 19:44	BK
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/20/2015 08:09	01/20/2015 19:44	BK
95-47-6	o-Xylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/20/2015 08:09	01/20/2015 19:44	BK
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.2	10	1	EPA 8260C	01/20/2015 08:09	01/20/2015 19:44	BK
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/20/2015 08:09	01/20/2015 19:44	BK
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/20/2015 08:09	01/20/2015 19:44	BK
100-42-5	Styrene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/20/2015 08:09	01/20/2015 19:44	BK
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/20/2015 08:09	01/20/2015 19:44	BK
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/20/2015 08:09	01/20/2015 19:44	BK
108-88-3	Toluene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/20/2015 08:09	01/20/2015 19:44	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/20/2015 08:09	01/20/2015 19:44	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/20/2015 08:09	01/20/2015 19:44	BK
79-01-6	Trichloroethylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/20/2015 08:09	01/20/2015 19:44	BK
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/20/2015 08:09	01/20/2015 19:44	BK
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	01/20/2015 08:09	01/20/2015 19:44	BK
1330-20-7	Xylenes, Total	ND		ug/kg dry	7.8	16	1	EPA 8260C	01/20/2015 08:09	01/20/2015 19:44	BK

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*105 %*	*77-125*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*93.0 %*	*76-130*
2037-26-5	*Surrogate: Toluene-d8*	*97.7 %*	*85-120*

Sample Information

Client Sample ID: **SB-2(0-2')** **York Sample ID:** **15A0405-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0405	14-133-1103 37-14 34th Street	Soil	January 14, 2015 3:00 pm	01/14/2015

Semi-Volatiles, NJDEP/TCL/Part 375 List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:37	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:37	KH
98-86-2	Acetophenone	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:37	KH
62-53-3	Aniline	ND		ug/kg dry	84.4	169	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:37	KH
120-12-7	Anthracene	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:37	KH
1912-24-9	Atrazine	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:37	KH
100-52-7	Benzaldehyde	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:37	KH
92-87-5	Benzidine	ND		ug/kg dry	84.4	169	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:37	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:37	KH
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:37	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:37	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:37	KH
65-85-0	Benzoic acid	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:37	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:37	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:37	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:37	KH
92-52-4	1,1'-Biphenyl	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:37	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:37	KH
105-60-2	Caprolactam	ND		ug/kg dry	42.1	84.2	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:37	KH
86-74-8	Carbazole	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:37	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:37	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:37	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:37	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:37	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:37	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:37	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:37	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:37	KH
218-01-9	Chrysene	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:37	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:37	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:37	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:37	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:37	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:37	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:37	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:37	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:37	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:37	KH

Sample Information

Client Sample ID: **SB-2(0-2')** **York Sample ID:** **15A0405-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0405	14-133-1103 37-14 34th Street	Soil	January 14, 2015 3:00 pm	01/14/2015

Semi-Volatiles, NJDEP/TCL/Part 375 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
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:37	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:37	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	42.1	84.2	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:37	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	42.1	84.2	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:37	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:37	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:37	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:37	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:37	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:37	KH
206-44-0	Fluoranthene	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:37	KH
86-73-7	Fluorene	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:37	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:37	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:37	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:37	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:37	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:37	KH
78-59-1	Isophorone	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:37	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:37	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:37	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:37	KH
91-20-3	Naphthalene	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:37	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	42.1	84.2	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:37	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	42.1	84.2	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:37	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	42.1	84.2	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:37	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:37	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:37	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	42.1	84.2	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:37	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:37	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:37	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:37	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:37	KH
85-01-8	Phenanthrene	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:37	KH
108-95-2	Phenol	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:37	KH
129-00-0	Pyrene	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:37	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	42.1	84.2	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:37	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	42.1	84.2	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:37	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:37	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:37	KH

Sample Information

Client Sample ID: **SB-2(0-2')** **York Sample ID:** **15A0405-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0405	14-133-1103 37-14 34th Street	Soil	January 14, 2015 3:00 pm	01/14/2015

Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	21.1	42.1	1	EPA 8270D	01/16/2015 13:07	01/19/2015 10:37	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*61.6 %*	*10-99*
4165-62-2	*Surrogate: Phenol-d5*	*64.9 %*	*10-108*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*61.5 %*	*10-119*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*58.7 %*	*10-114*
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*48.0 %*	*10-106*
1718-51-0	*Surrogate: Terphenyl-d14*	*61.6 %*	*10-123*

Pesticides, 8081 target list

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	2.50	2.50	5	EPA 8081B	01/15/2015 20:00	01/16/2015 17:00	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	2.50	2.50	5	EPA 8081B	01/15/2015 20:00	01/16/2015 17:00	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	2.50	2.50	5	EPA 8081B	01/15/2015 20:00	01/16/2015 17:00	JW
309-00-2	Aldrin	ND		ug/kg dry	2.50	2.50	5	EPA 8081B	01/15/2015 20:00	01/16/2015 17:00	JW
319-84-6	alpha-BHC	ND		ug/kg dry	2.50	2.50	5	EPA 8081B	01/15/2015 20:00	01/16/2015 17:00	JW
319-85-7	beta-BHC	ND		ug/kg dry	2.50	2.50	5	EPA 8081B	01/15/2015 20:00	01/16/2015 17:00	JW
57-74-9	Chlordane, total	ND		ug/kg dry	100	100	5	EPA 8081B	01/15/2015 20:00	01/16/2015 17:00	JW
5103-74-2	gamma-Chlordane	ND		ug/kg dry	2.50	2.50	5	EPA 8081B	01/15/2015 20:00	01/16/2015 17:00	JW
319-86-8	delta-BHC	ND		ug/kg dry	2.50	2.50	5	EPA 8081B	01/15/2015 20:00	01/16/2015 17:00	JW
60-57-1	Dieldrin	ND		ug/kg dry	2.50	2.50	5	EPA 8081B	01/15/2015 20:00	01/16/2015 17:00	JW
959-98-8	Endosulfan I	ND		ug/kg dry	2.50	2.50	5	EPA 8081B	01/15/2015 20:00	01/16/2015 17:00	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	2.50	2.50	5	EPA 8081B	01/15/2015 20:00	01/16/2015 17:00	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	2.50	2.50	5	EPA 8081B	01/15/2015 20:00	01/16/2015 17:00	JW
72-20-8	Endrin	ND		ug/kg dry	2.50	2.50	5	EPA 8081B	01/15/2015 20:00	01/16/2015 17:00	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	2.50	2.50	5	EPA 8081B	01/15/2015 20:00	01/16/2015 17:00	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	2.50	2.50	5	EPA 8081B	01/15/2015 20:00	01/16/2015 17:00	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	2.50	2.50	5	EPA 8081B	01/15/2015 20:00	01/16/2015 17:00	JW
76-44-8	Heptachlor	ND		ug/kg dry	2.50	2.50	5	EPA 8081B	01/15/2015 20:00	01/16/2015 17:00	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	2.50	2.50	5	EPA 8081B	01/15/2015 20:00	01/16/2015 17:00	JW
5103-71-9	alpha-Chlordane	ND		ug/kg dry	2.50	2.50	5	EPA 8081B	01/15/2015 20:00	01/16/2015 17:00	JW
72-43-5	Methoxychlor	ND		ug/kg dry	12.5	12.5	5	EPA 8081B	01/15/2015 20:00	01/16/2015 17:00	JW
8001-35-2	Toxaphene	ND		ug/kg dry	127	127	5	EPA 8081B	01/15/2015 20:00	01/16/2015 17:00	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*56.3 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*76.9 %*	*30-140*

Sample Information

Client Sample ID: **SB-2(0-2')** **York Sample ID:** **15A0405-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0405	14-133-1103 37-14 34th Street	Soil	January 14, 2015 3:00 pm	01/14/2015

Polychlorinated Biphenyls (PCB)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3545A

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	0.0252	0.0252	1	EPA 8082A	01/15/2015 20:00	01/16/2015 20:52	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0252	0.0252	1	EPA 8082A	01/15/2015 20:00	01/16/2015 20:52	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0252	0.0252	1	EPA 8082A	01/15/2015 20:00	01/16/2015 20:52	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0252	0.0252	1	EPA 8082A	01/15/2015 20:00	01/16/2015 20:52	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0252	0.0252	1	EPA 8082A	01/15/2015 20:00	01/16/2015 20:52	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0252	0.0252	1	EPA 8082A	01/15/2015 20:00	01/16/2015 20:52	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0252	0.0252	1	EPA 8082A	01/15/2015 20:00	01/16/2015 20:52	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0252	0.0252	1	EPA 8082A	01/15/2015 20:00	01/16/2015 20:52	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*74.4 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*69.7 %*	*30-140*

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**5320**		mg/kg dry	1.01	1.01	1	EPA 6010C	01/15/2015 14:23	01/15/2015 18:59	MW
7440-36-0	Antimony	ND		mg/kg dry	0.505	0.505	1	EPA 6010C	01/15/2015 14:23	01/15/2015 18:59	MW
7440-38-2	**Arsenic**	**1.53**		mg/kg dry	1.01	1.01	1	EPA 6010C	01/15/2015 14:23	01/15/2015 18:59	MW
7440-39-3	**Barium**	**47.5**		mg/kg dry	1.01	1.01	1	EPA 6010C	01/15/2015 14:23	01/15/2015 18:59	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.101	0.101	1	EPA 6010C	01/15/2015 14:23	01/15/2015 18:59	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.303	0.303	1	EPA 6010C	01/15/2015 14:23	01/15/2015 18:59	MW
7440-70-2	**Calcium**	**1690**		mg/kg dry	0.505	5.05	1	EPA 6010C	01/15/2015 14:23	01/15/2015 18:59	MW
7440-47-3	**Chromium**	**14.1**		mg/kg dry	0.505	0.505	1	EPA 6010C	01/15/2015 14:23	01/15/2015 18:59	MW
7440-48-4	**Cobalt**	**6.56**		mg/kg dry	0.505	0.505	1	EPA 6010C	01/15/2015 14:23	01/15/2015 18:59	MW
7440-50-8	**Copper**	**13.6**		mg/kg dry	0.505	0.505	1	EPA 6010C	01/15/2015 14:23	01/15/2015 18:59	MW
7439-89-6	**Iron**	**12500**		mg/kg dry	2.02	2.02	1	EPA 6010C	01/15/2015 14:23	01/15/2015 18:59	MW
7439-92-1	**Lead**	**3.71**		mg/kg dry	0.303	0.303	1	EPA 6010C	01/15/2015 14:23	01/15/2015 18:59	MW
7439-95-4	**Magnesium**	**2520**		mg/kg dry	5.05	5.05	1	EPA 6010C	01/15/2015 14:23	01/15/2015 18:59	MW
7439-96-5	**Manganese**	**284**		mg/kg dry	0.505	0.505	1	EPA 6010C	01/15/2015 14:23	01/15/2015 18:59	MW
7440-02-0	**Nickel**	**15.7**		mg/kg dry	0.505	0.505	1	EPA 6010C	01/15/2015 14:23	01/15/2015 18:59	MW
7440-09-7	**Potassium**	**716**		mg/kg dry	5.05	5.05	1	EPA 6010C	01/15/2015 14:23	01/15/2015 18:59	MW
7782-49-2	**Selenium**	**3.46**		mg/kg dry	1.01	1.01	1	EPA 6010C	01/15/2015 14:23	01/15/2015 18:59	MW
7440-22-4	Silver	ND		mg/kg dry	0.505	0.505	1	EPA 6010C	01/15/2015 14:23	01/15/2015 18:59	MW
7440-23-5	**Sodium**	**111**		mg/kg dry	10.1	10.1	1	EPA 6010C	01/15/2015 14:23	01/15/2015 18:59	MW
7440-28-0	Thallium	ND		mg/kg dry	1.01	1.01	1	EPA 6010C	01/15/2015 14:23	01/15/2015 18:59	MW
7440-62-2	**Vanadium**	**23.5**		mg/kg dry	1.01	1.01	1	EPA 6010C	01/15/2015 14:23	01/15/2015 18:59	MW
7440-66-6	**Zinc**	**25.2**		mg/kg dry	1.01	1.01	1	EPA 6010C	01/15/2015 14:23	01/15/2015 18:59	MW

Sample Information

Client Sample ID: SB-2(0-2') **York Sample ID:** 15A0405-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0405	14-133-1103 37-14 34th Street	Soil	January 14, 2015 3:00 pm	01/14/2015

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0303	0.0303	1	EPA 7473	01/16/2015 06:55	01/16/2015 09:13	ALD

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**99.0**		%	0.100	0.100	1	SM 2540G	01/16/2015 11:09	01/16/2015 15:59	KK

Chromium, Hexavalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.354	0.505	1	EPA 7196A	01/19/2015 10:36	01/20/2015 15:27	KK

Chromium, Trivalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**14.1**		mg/L	0.00800	0.0100	1	Calculation	01/21/2015 16:40	01/21/2015 16:42	PAM

Sample Information

Client Sample ID: SB-2 (12-14') **York Sample ID:** 15A0405-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0405	14-133-1103 37-14 34th Street	Soil	January 14, 2015 3:00 pm	01/14/2015

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 20:28	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 20:28	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 20:28	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 20:28	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 20:28	BK
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 20:28	BK
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 20:28	BK

Sample Information

Client Sample ID: **SB-2 (12-14')** **York Sample ID:** **15A0405-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0405	14-133-1103 37-14 34th Street	Soil	January 14, 2015 3:00 pm	01/14/2015

Volatile Organics, NJDEP/TCL/Part 375 List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-97-5	Bromochloromethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 20:28	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 20:28	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 20:28	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 20:28	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 20:28	BK
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 20:28	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 20:28	BK
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 20:28	BK
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 20:28	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 20:28	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 20:28	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 20:28	BK
123-91-1	1,4-Dioxane	ND		ug/kg dry	110	220	1	EPA 8260C	01/20/2015 08:09	01/20/2015 20:28	BK
110-82-7	Cyclohexane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 20:28	BK
78-93-3	2-Butanone	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 20:28	BK
591-78-6	2-Hexanone	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 20:28	BK
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 20:28	BK
67-64-1	**Acetone**	**14**	Cal-E, CCV-E	ug/kg dry	5.5	11	1	EPA 8260C	01/20/2015 08:09	01/20/2015 20:28	BK
107-02-8	Acrolein	ND		ug/kg dry	5.5	11	1	EPA 8260C	01/20/2015 08:09	01/20/2015 20:28	BK
107-13-1	Acrylonitrile	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 20:28	BK
71-43-2	Benzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 20:28	BK
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 20:28	BK
75-25-2	Bromoform	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 20:28	BK
74-83-9	Bromomethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 20:28	BK
75-15-0	Carbon disulfide	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 20:28	BK
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 20:28	BK
108-90-7	Chlorobenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 20:28	BK
75-00-3	Chloroethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 20:28	BK
67-66-3	Chloroform	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 20:28	BK
74-87-3	Chloromethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 20:28	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 20:28	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 20:28	BK
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 20:28	BK
74-95-3	Dibromomethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 20:28	BK
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 20:28	BK
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 20:28	BK
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 20:28	BK
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 20:28	BK

Sample Information

Client Sample ID: **SB-2 (12-14')** **York Sample ID:** **15A0405-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0405	14-133-1103 37-14 34th Street	Soil	January 14, 2015 3:00 pm	01/14/2015

Volatile Organics, NJDEP/TCL/Part 375 List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 20:28	BK
79-20-9	Methyl acetate	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 20:28	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 20:28	BK
75-09-2	Methylene chloride	ND		ug/kg dry	5.5	11	1	EPA 8260C	01/20/2015 08:09	01/20/2015 20:28	BK
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 20:28	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 20:28	BK
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 20:28	BK
95-47-6	o-Xylene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 20:28	BK
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.5	11	1	EPA 8260C	01/20/2015 08:09	01/20/2015 20:28	BK
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 20:28	BK
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 20:28	BK
100-42-5	Styrene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 20:28	BK
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 20:28	BK
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 20:28	BK
108-88-3	Toluene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 20:28	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 20:28	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 20:28	BK
79-01-6	Trichloroethylene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 20:28	BK
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 20:28	BK
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	01/20/2015 08:09	01/20/2015 20:28	BK
1330-20-7	Xylenes, Total	ND		ug/kg dry	8.3	17	1	EPA 8260C	01/20/2015 08:09	01/20/2015 20:28	BK

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*100 %*	*77-125*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*90.3 %*	*76-130*
2037-26-5	*Surrogate: Toluene-d8*	*95.2 %*	*85-120*

Sample Information

Client Sample ID: **SB-2 (12-14')** **York Sample ID:** **15A0405-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0405	14-133-1103 37-14 34th Street	Soil	January 14, 2015 3:00 pm	01/14/2015

Semi-Volatiles, NJDEP/TCL/Part 375 List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	21.2	42.2	1	EPA 8270D	01/16/2015 13:07	01/19/2015 11:10	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	21.2	42.2	1	EPA 8270D	01/16/2015 13:07	01/19/2015 11:10	KH
98-86-2	Acetophenone	ND		ug/kg dry	21.2	42.2	1	EPA 8270D	01/16/2015 13:07	01/19/2015 11:10	KH
62-53-3	Aniline	ND		ug/kg dry	84.5	169	1	EPA 8270D	01/16/2015 13:07	01/19/2015 11:10	KH
120-12-7	Anthracene	ND		ug/kg dry	21.2	42.2	1	EPA 8270D	01/16/2015 13:07	01/19/2015 11:10	KH
1912-24-9	Atrazine	ND		ug/kg dry	21.2	42.2	1	EPA 8270D	01/16/2015 13:07	01/19/2015 11:10	KH
100-52-7	Benzaldehyde	ND		ug/kg dry	21.2	42.2	1	EPA 8270D	01/16/2015 13:07	01/19/2015 11:10	KH
92-87-5	Benzidine	ND		ug/kg dry	84.5	169	1	EPA 8270D	01/16/2015 13:07	01/19/2015 11:10	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	21.2	42.2	1	EPA 8270D	01/16/2015 13:07	01/19/2015 11:10	KH
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	21.2	42.2	1	EPA 8270D	01/16/2015 13:07	01/19/2015 11:10	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	21.2	42.2	1	EPA 8270D	01/16/2015 13:07	01/19/2015 11:10	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	21.2	42.2	1	EPA 8270D	01/16/2015 13:07	01/19/2015 11:10	KH
65-85-0	Benzoic acid	ND		ug/kg dry	21.2	42.2	1	EPA 8270D	01/16/2015 13:07	01/19/2015 11:10	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	21.2	42.2	1	EPA 8270D	01/16/2015 13:07	01/19/2015 11:10	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	21.2	42.2	1	EPA 8270D	01/16/2015 13:07	01/19/2015 11:10	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	21.2	42.2	1	EPA 8270D	01/16/2015 13:07	01/19/2015 11:10	KH
92-52-4	1,1'-Biphenyl	ND		ug/kg dry	21.2	42.2	1	EPA 8270D	01/16/2015 13:07	01/19/2015 11:10	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	21.2	42.2	1	EPA 8270D	01/16/2015 13:07	01/19/2015 11:10	KH
105-60-2	Caprolactam	ND		ug/kg dry	42.2	84.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 11:10	KH
86-74-8	Carbazole	ND		ug/kg dry	21.2	42.2	1	EPA 8270D	01/16/2015 13:07	01/19/2015 11:10	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	21.2	42.2	1	EPA 8270D	01/16/2015 13:07	01/19/2015 11:10	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	21.2	42.2	1	EPA 8270D	01/16/2015 13:07	01/19/2015 11:10	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	21.2	42.2	1	EPA 8270D	01/16/2015 13:07	01/19/2015 11:10	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	21.2	42.2	1	EPA 8270D	01/16/2015 13:07	01/19/2015 11:10	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	21.2	42.2	1	EPA 8270D	01/16/2015 13:07	01/19/2015 11:10	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	21.2	42.2	1	EPA 8270D	01/16/2015 13:07	01/19/2015 11:10	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	21.2	42.2	1	EPA 8270D	01/16/2015 13:07	01/19/2015 11:10	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	21.2	42.2	1	EPA 8270D	01/16/2015 13:07	01/19/2015 11:10	KH
218-01-9	Chrysene	ND		ug/kg dry	21.2	42.2	1	EPA 8270D	01/16/2015 13:07	01/19/2015 11:10	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	21.2	42.2	1	EPA 8270D	01/16/2015 13:07	01/19/2015 11:10	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	21.2	42.2	1	EPA 8270D	01/16/2015 13:07	01/19/2015 11:10	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	21.2	42.2	1	EPA 8270D	01/16/2015 13:07	01/19/2015 11:10	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	21.2	42.2	1	EPA 8270D	01/16/2015 13:07	01/19/2015 11:10	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	21.2	42.2	1	EPA 8270D	01/16/2015 13:07	01/19/2015 11:10	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	21.2	42.2	1	EPA 8270D	01/16/2015 13:07	01/19/2015 11:10	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	21.2	42.2	1	EPA 8270D	01/16/2015 13:07	01/19/2015 11:10	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	21.2	42.2	1	EPA 8270D	01/16/2015 13:07	01/19/2015 11:10	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	21.2	42.2	1	EPA 8270D	01/16/2015 13:07	01/19/2015 11:10	KH

Sample Information

Client Sample ID: SB-2 (12-14')

York Sample ID: 15A0405-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0405	14-133-1103 37-14 34th Street	Soil	January 14, 2015 3:00 pm	01/14/2015

Semi-Volatiles, NJDEP/TCL/Part 375 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
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	21.2	42.2	1	EPA 8270D	01/16/2015 13:07	01/19/2015 11:10	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	21.2	42.2	1	EPA 8270D	01/16/2015 13:07	01/19/2015 11:10	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	42.2	84.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 11:10	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	42.2	84.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 11:10	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	21.2	42.2	1	EPA 8270D	01/16/2015 13:07	01/19/2015 11:10	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	21.2	42.2	1	EPA 8270D	01/16/2015 13:07	01/19/2015 11:10	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	21.2	42.2	1	EPA 8270D	01/16/2015 13:07	01/19/2015 11:10	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	21.2	42.2	1	EPA 8270D	01/16/2015 13:07	01/19/2015 11:10	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	21.2	42.2	1	EPA 8270D	01/16/2015 13:07	01/19/2015 11:10	KH
206-44-0	Fluoranthene	ND		ug/kg dry	21.2	42.2	1	EPA 8270D	01/16/2015 13:07	01/19/2015 11:10	KH
86-73-7	Fluorene	ND		ug/kg dry	21.2	42.2	1	EPA 8270D	01/16/2015 13:07	01/19/2015 11:10	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	21.2	42.2	1	EPA 8270D	01/16/2015 13:07	01/19/2015 11:10	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	21.2	42.2	1	EPA 8270D	01/16/2015 13:07	01/19/2015 11:10	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	21.2	42.2	1	EPA 8270D	01/16/2015 13:07	01/19/2015 11:10	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	21.2	42.2	1	EPA 8270D	01/16/2015 13:07	01/19/2015 11:10	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	21.2	42.2	1	EPA 8270D	01/16/2015 13:07	01/19/2015 11:10	KH
78-59-1	Isophorone	ND		ug/kg dry	21.2	42.2	1	EPA 8270D	01/16/2015 13:07	01/19/2015 11:10	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	21.2	42.2	1	EPA 8270D	01/16/2015 13:07	01/19/2015 11:10	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	21.2	42.2	1	EPA 8270D	01/16/2015 13:07	01/19/2015 11:10	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	21.2	42.2	1	EPA 8270D	01/16/2015 13:07	01/19/2015 11:10	KH
91-20-3	Naphthalene	ND		ug/kg dry	21.2	42.2	1	EPA 8270D	01/16/2015 13:07	01/19/2015 11:10	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	42.2	84.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 11:10	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	42.2	84.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 11:10	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	42.2	84.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 11:10	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	21.2	42.2	1	EPA 8270D	01/16/2015 13:07	01/19/2015 11:10	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	21.2	42.2	1	EPA 8270D	01/16/2015 13:07	01/19/2015 11:10	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	42.2	84.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 11:10	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	21.2	42.2	1	EPA 8270D	01/16/2015 13:07	01/19/2015 11:10	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	21.2	42.2	1	EPA 8270D	01/16/2015 13:07	01/19/2015 11:10	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	21.2	42.2	1	EPA 8270D	01/16/2015 13:07	01/19/2015 11:10	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	21.2	42.2	1	EPA 8270D	01/16/2015 13:07	01/19/2015 11:10	KH
85-01-8	Phenanthrene	ND		ug/kg dry	21.2	42.2	1	EPA 8270D	01/16/2015 13:07	01/19/2015 11:10	KH
108-95-2	Phenol	ND		ug/kg dry	21.2	42.2	1	EPA 8270D	01/16/2015 13:07	01/19/2015 11:10	KH
129-00-0	Pyrene	ND		ug/kg dry	21.2	42.2	1	EPA 8270D	01/16/2015 13:07	01/19/2015 11:10	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	42.2	84.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 11:10	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	42.2	84.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 11:10	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	21.2	42.2	1	EPA 8270D	01/16/2015 13:07	01/19/2015 11:10	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	21.2	42.2	1	EPA 8270D	01/16/2015 13:07	01/19/2015 11:10	KH

Sample Information

Client Sample ID: **SB-2 (12-14')** **York Sample ID:** **15A0405-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0405	14-133-1103 37-14 34th Street	Soil	January 14, 2015 3:00 pm	01/14/2015

Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	21.2	42.2	1	EPA 8270D	01/16/2015 13:07	01/19/2015 11:10	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*56.7 %*	*10-99*
4165-62-2	*Surrogate: Phenol-d5*	*60.8 %*	*10-108*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*56.8 %*	*10-119*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*54.9 %*	*10-114*
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*46.6 %*	*10-106*
1718-51-0	*Surrogate: Terphenyl-d14*	*53.8 %*	*10-123*

Pesticides, 8081 target list

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	2.51	2.51	5	EPA 8081B	01/15/2015 20:00	01/16/2015 17:15	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	2.51	2.51	5	EPA 8081B	01/15/2015 20:00	01/16/2015 17:15	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	2.51	2.51	5	EPA 8081B	01/15/2015 20:00	01/16/2015 17:15	JW
309-00-2	Aldrin	ND		ug/kg dry	2.51	2.51	5	EPA 8081B	01/15/2015 20:00	01/16/2015 17:15	JW
319-84-6	alpha-BHC	ND		ug/kg dry	2.51	2.51	5	EPA 8081B	01/15/2015 20:00	01/16/2015 17:15	JW
319-85-7	beta-BHC	ND		ug/kg dry	2.51	2.51	5	EPA 8081B	01/15/2015 20:00	01/16/2015 17:15	JW
57-74-9	Chlordane, total	ND		ug/kg dry	100	100	5	EPA 8081B	01/15/2015 20:00	01/16/2015 17:15	JW
5103-74-2	gamma-Chlordane	ND		ug/kg dry	2.51	2.51	5	EPA 8081B	01/15/2015 20:00	01/16/2015 17:15	JW
319-86-8	delta-BHC	ND		ug/kg dry	2.51	2.51	5	EPA 8081B	01/15/2015 20:00	01/16/2015 17:15	JW
60-57-1	Dieldrin	ND		ug/kg dry	2.51	2.51	5	EPA 8081B	01/15/2015 20:00	01/16/2015 17:15	JW
959-98-8	Endosulfan I	ND		ug/kg dry	2.51	2.51	5	EPA 8081B	01/15/2015 20:00	01/16/2015 17:15	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	2.51	2.51	5	EPA 8081B	01/15/2015 20:00	01/16/2015 17:15	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	2.51	2.51	5	EPA 8081B	01/15/2015 20:00	01/16/2015 17:15	JW
72-20-8	Endrin	ND		ug/kg dry	2.51	2.51	5	EPA 8081B	01/15/2015 20:00	01/16/2015 17:15	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	2.51	2.51	5	EPA 8081B	01/15/2015 20:00	01/16/2015 17:15	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	2.51	2.51	5	EPA 8081B	01/15/2015 20:00	01/16/2015 17:15	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	2.51	2.51	5	EPA 8081B	01/15/2015 20:00	01/16/2015 17:15	JW
76-44-8	Heptachlor	ND		ug/kg dry	2.51	2.51	5	EPA 8081B	01/15/2015 20:00	01/16/2015 17:15	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	2.51	2.51	5	EPA 8081B	01/15/2015 20:00	01/16/2015 17:15	JW
5103-71-9	alpha-Chlordane	ND		ug/kg dry	2.51	2.51	5	EPA 8081B	01/15/2015 20:00	01/16/2015 17:15	JW
72-43-5	Methoxychlor	ND		ug/kg dry	12.5	12.5	5	EPA 8081B	01/15/2015 20:00	01/16/2015 17:15	JW
8001-35-2	Toxaphene	ND		ug/kg dry	127	127	5	EPA 8081B	01/15/2015 20:00	01/16/2015 17:15	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*52.4 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*64.8 %*	*30-140*

Sample Information

Client Sample ID: **SB-2 (12-14')** **York Sample ID:** **15A0405-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0405	14-133-1103 37-14 34th Street	Soil	January 14, 2015 3:00 pm	01/14/2015

Polychlorinated Biphenyls (PCB)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3545A

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	0.0253	0.0253	1	EPA 8082A	01/15/2015 20:00	01/16/2015 21:22	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0253	0.0253	1	EPA 8082A	01/15/2015 20:00	01/16/2015 21:22	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0253	0.0253	1	EPA 8082A	01/15/2015 20:00	01/16/2015 21:22	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0253	0.0253	1	EPA 8082A	01/15/2015 20:00	01/16/2015 21:22	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0253	0.0253	1	EPA 8082A	01/15/2015 20:00	01/16/2015 21:22	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0253	0.0253	1	EPA 8082A	01/15/2015 20:00	01/16/2015 21:22	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0253	0.0253	1	EPA 8082A	01/15/2015 20:00	01/16/2015 21:22	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0253	0.0253	1	EPA 8082A	01/15/2015 20:00	01/16/2015 21:22	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*61.1 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*51.2 %*	*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**	**4840**		mg/kg dry	1.01	1.01	1	EPA 6010C	01/15/2015 14:23	01/15/2015 19:03	MW
7440-36-0	Antimony	ND		mg/kg dry	0.506	0.506	1	EPA 6010C	01/15/2015 14:23	01/15/2015 19:03	MW
7440-38-2	**Arsenic**	**1.93**		mg/kg dry	1.01	1.01	1	EPA 6010C	01/15/2015 14:23	01/15/2015 19:03	MW
7440-39-3	**Barium**	**29.9**		mg/kg dry	1.01	1.01	1	EPA 6010C	01/15/2015 14:23	01/15/2015 19:03	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.101	0.101	1	EPA 6010C	01/15/2015 14:23	01/15/2015 19:03	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.304	0.304	1	EPA 6010C	01/15/2015 14:23	01/15/2015 19:03	MW
7440-70-2	**Calcium**	**4660**		mg/kg dry	0.506	5.06	1	EPA 6010C	01/15/2015 14:23	01/15/2015 19:03	MW
7440-47-3	**Chromium**	**13.1**		mg/kg dry	0.506	0.506	1	EPA 6010C	01/15/2015 14:23	01/15/2015 19:03	MW
7440-48-4	**Cobalt**	**6.31**		mg/kg dry	0.506	0.506	1	EPA 6010C	01/15/2015 14:23	01/15/2015 19:03	MW
7440-50-8	**Copper**	**16.0**		mg/kg dry	0.506	0.506	1	EPA 6010C	01/15/2015 14:23	01/15/2015 19:03	MW
7439-89-6	**Iron**	**12200**		mg/kg dry	2.02	2.02	1	EPA 6010C	01/15/2015 14:23	01/15/2015 19:03	MW
7439-92-1	**Lead**	**2.91**		mg/kg dry	0.304	0.304	1	EPA 6010C	01/15/2015 14:23	01/15/2015 19:03	MW
7439-95-4	**Magnesium**	**3970**		mg/kg dry	5.06	5.06	1	EPA 6010C	01/15/2015 14:23	01/15/2015 19:03	MW
7439-96-5	**Manganese**	**241**		mg/kg dry	0.506	0.506	1	EPA 6010C	01/15/2015 14:23	01/15/2015 19:03	MW
7440-02-0	**Nickel**	**16.4**		mg/kg dry	0.506	0.506	1	EPA 6010C	01/15/2015 14:23	01/15/2015 19:03	MW
7440-09-7	**Potassium**	**912**		mg/kg dry	5.06	5.06	1	EPA 6010C	01/15/2015 14:23	01/15/2015 19:03	MW
7782-49-2	**Selenium**	**2.73**		mg/kg dry	1.01	1.01	1	EPA 6010C	01/15/2015 14:23	01/15/2015 19:03	MW
7440-22-4	Silver	ND		mg/kg dry	0.506	0.506	1	EPA 6010C	01/15/2015 14:23	01/15/2015 19:03	MW
7440-23-5	**Sodium**	**198**		mg/kg dry	10.1	10.1	1	EPA 6010C	01/15/2015 14:23	01/15/2015 19:03	MW
7440-28-0	Thallium	ND		mg/kg dry	1.01	1.01	1	EPA 6010C	01/15/2015 14:23	01/15/2015 19:03	MW
7440-62-2	**Vanadium**	**22.3**		mg/kg dry	1.01	1.01	1	EPA 6010C	01/15/2015 14:23	01/15/2015 19:03	MW
7440-66-6	**Zinc**	**26.7**		mg/kg dry	1.01	1.01	1	EPA 6010C	01/15/2015 14:23	01/15/2015 19:03	MW

Sample Information

Client Sample ID: **SB-2 (12-14')** **York Sample ID:** **15A0405-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0405	14-133-1103 37-14 34th Street	Soil	January 14, 2015 3:00 pm	01/14/2015

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0304	0.0304	1	EPA 7473	01/16/2015 06:55	01/16/2015 09:22	ALD

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**98.8**		%	0.100	0.100	1	SM 2540G	01/16/2015 11:09	01/16/2015 15:59	KK

Chromium, Hexavalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.354	0.506	1	EPA 7196A	01/19/2015 10:36	01/20/2015 15:27	KK

Chromium, Trivalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**13.1**		mg/L	0.00800	0.0100	1	Calculation	01/21/2015 16:40	01/21/2015 16:42	PAM

Sample Information

Client Sample ID: **SB-3 (0-2')** **York Sample ID:** **15A0405-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0405	14-133-1103 37-14 34th Street	Soil	January 14, 2015 3:00 pm	01/14/2015

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/20/2015 08:06	01/20/2015 11:52	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/20/2015 08:06	01/20/2015 11:52	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/20/2015 08:06	01/20/2015 11:52	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/20/2015 08:06	01/20/2015 11:52	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/20/2015 08:06	01/20/2015 11:52	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/20/2015 08:06	01/20/2015 11:52	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/20/2015 08:06	01/20/2015 11:52	SS

Sample Information

Client Sample ID: **SB-3 (0-2')** **York Sample ID:** **15A0405-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0405	14-133-1103 37-14 34th Street	Soil	January 14, 2015 3:00 pm	01/14/2015

Volatile Organics, NJDEP/TCL/Part 375 List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-97-5	Bromochloromethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/20/2015 08:06	01/20/2015 11:52	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/20/2015 08:06	01/20/2015 11:52	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/20/2015 08:06	01/20/2015 11:52	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/20/2015 08:06	01/20/2015 11:52	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/20/2015 08:06	01/20/2015 11:52	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/20/2015 08:06	01/20/2015 11:52	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/20/2015 08:06	01/20/2015 11:52	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/20/2015 08:06	01/20/2015 11:52	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/20/2015 08:06	01/20/2015 11:52	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/20/2015 08:06	01/20/2015 11:52	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/20/2015 08:06	01/20/2015 11:52	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/20/2015 08:06	01/20/2015 11:52	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	46	93	1	EPA 8260C	01/20/2015 08:06	01/20/2015 11:52	SS
110-82-7	Cyclohexane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/20/2015 08:06	01/20/2015 11:52	SS
78-93-3	2-Butanone	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/20/2015 08:06	01/20/2015 11:52	SS
591-78-6	2-Hexanone	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/20/2015 08:06	01/20/2015 11:52	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/20/2015 08:06	01/20/2015 11:52	SS
67-64-1	**Acetone**	**16**	CCV-E	ug/kg dry	4.6	9.3	1	EPA 8260C	01/20/2015 08:06	01/20/2015 11:52	SS
107-02-8	Acrolein	ND		ug/kg dry	4.6	9.3	1	EPA 8260C	01/20/2015 08:06	01/20/2015 11:52	SS
107-13-1	Acrylonitrile	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/20/2015 08:06	01/20/2015 11:52	SS
71-43-2	Benzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/20/2015 08:06	01/20/2015 11:52	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/20/2015 08:06	01/20/2015 11:52	SS
75-25-2	Bromoform	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/20/2015 08:06	01/20/2015 11:52	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/20/2015 08:06	01/20/2015 11:52	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/20/2015 08:06	01/20/2015 11:52	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/20/2015 08:06	01/20/2015 11:52	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/20/2015 08:06	01/20/2015 11:52	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/20/2015 08:06	01/20/2015 11:52	SS
67-66-3	Chloroform	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/20/2015 08:06	01/20/2015 11:52	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/20/2015 08:06	01/20/2015 11:52	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/20/2015 08:06	01/20/2015 11:52	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/20/2015 08:06	01/20/2015 11:52	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/20/2015 08:06	01/20/2015 11:52	SS
74-95-3	Dibromomethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/20/2015 08:06	01/20/2015 11:52	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/20/2015 08:06	01/20/2015 11:52	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/20/2015 08:06	01/20/2015 11:52	SS
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/20/2015 08:06	01/20/2015 11:52	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/20/2015 08:06	01/20/2015 11:52	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/20/2015 08:06	01/20/2015 11:52	SS

Sample Information

Client Sample ID: **SB-3 (0-2')** **York Sample ID:** **15A0405-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0405	14-133-1103 37-14 34th Street	Soil	January 14, 2015 3:00 pm	01/14/2015

Volatile Organics, NJDEP/TCL/Part 375 List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-20-9	Methyl acetate	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/20/2015 08:06	01/20/2015 11:52	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/20/2015 08:06	01/20/2015 11:52	SS
75-09-2	Methylene chloride	ND		ug/kg dry	4.6	9.3	1	EPA 8260C	01/20/2015 08:06	01/20/2015 11:52	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/20/2015 08:06	01/20/2015 11:52	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/20/2015 08:06	01/20/2015 11:52	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/20/2015 08:06	01/20/2015 11:52	SS
95-47-6	**o-Xylene**	**2.4**	J	ug/kg dry	2.3	4.6	1	EPA 8260C	01/20/2015 08:06	01/20/2015 11:52	SS
179601-23-1	**p- & m- Xylenes**	**7.1**	J	ug/kg dry	4.6	9.3	1	EPA 8260C	01/20/2015 08:06	01/20/2015 11:52	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/20/2015 08:06	01/20/2015 11:52	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/20/2015 08:06	01/20/2015 11:52	SS
100-42-5	Styrene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/20/2015 08:06	01/20/2015 11:52	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/20/2015 08:06	01/20/2015 11:52	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/20/2015 08:06	01/20/2015 11:52	SS
127-18-4	**Tetrachloroethylene**	**46**		ug/kg dry	2.3	4.6	1	EPA 8260C	01/20/2015 08:06	01/20/2015 11:52	SS
108-88-3	Toluene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/20/2015 08:06	01/20/2015 11:52	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/20/2015 08:06	01/20/2015 11:52	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/20/2015 08:06	01/20/2015 11:52	SS
79-01-6	**Trichloroethylene**	**10**		ug/kg dry	2.3	4.6	1	EPA 8260C	01/20/2015 08:06	01/20/2015 11:52	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/20/2015 08:06	01/20/2015 11:52	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	01/20/2015 08:06	01/20/2015 11:52	SS
1330-20-7	**Xylenes, Total**	**9.5**	J	ug/kg dry	7.0	14	1	EPA 8260C	01/20/2015 08:06	01/20/2015 11:52	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*115 %*	*77-125*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*102 %*	*76-130*
2037-26-5	*Surrogate: Toluene-d8*	*111 %*	*85-120*

Sample Information

Client Sample ID: **SB-3 (0-2')** **York Sample ID:** **15A0405-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0405	14-133-1103 37-14 34th Street	Soil	January 14, 2015 3:00 pm	01/14/2015

Semi-Volatiles, NJDEP/TCL/Part 375 List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	**Acenaphthene**	**34.2**	J	ug/kg dry	21.7	43.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 12:47	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	21.7	43.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 12:47	KH
98-86-2	Acetophenone	ND		ug/kg dry	21.7	43.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 12:47	KH
62-53-3	Aniline	ND		ug/kg dry	86.7	173	1	EPA 8270D	01/16/2015 13:07	01/19/2015 12:47	KH
120-12-7	**Anthracene**	**251**		ug/kg dry	21.7	43.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 12:47	KH
1912-24-9	Atrazine	ND		ug/kg dry	21.7	43.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 12:47	KH
100-52-7	Benzaldehyde	ND		ug/kg dry	21.7	43.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 12:47	KH
92-87-5	Benzidine	ND		ug/kg dry	86.7	173	1	EPA 8270D	01/16/2015 13:07	01/19/2015 12:47	KH
56-55-3	**Benzo(a)anthracene**	**95.1**		ug/kg dry	21.7	43.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 12:47	KH
50-32-8	**Benzo(a)pyrene**	**60.2**		ug/kg dry	21.7	43.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 12:47	KH
205-99-2	**Benzo(b)fluoranthene**	**45.0**		ug/kg dry	21.7	43.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 12:47	KH
191-24-2	**Benzo(g,h,i)perylene**	**49.8**		ug/kg dry	21.7	43.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 12:47	KH
65-85-0	Benzoic acid	ND		ug/kg dry	21.7	43.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 12:47	KH
207-08-9	**Benzo(k)fluoranthene**	**55.0**		ug/kg dry	21.7	43.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 12:47	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	21.7	43.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 12:47	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	21.7	43.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 12:47	KH
92-52-4	1,1'-Biphenyl	ND		ug/kg dry	21.7	43.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 12:47	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	21.7	43.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 12:47	KH
105-60-2	Caprolactam	ND		ug/kg dry	43.3	86.4	1	EPA 8270D	01/16/2015 13:07	01/19/2015 12:47	KH
86-74-8	**Carbazole**	**29.7**	J	ug/kg dry	21.7	43.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 12:47	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	21.7	43.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 12:47	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	21.7	43.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 12:47	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	21.7	43.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 12:47	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	21.7	43.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 12:47	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	21.7	43.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 12:47	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	21.7	43.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 12:47	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	21.7	43.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 12:47	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	21.7	43.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 12:47	KH
218-01-9	**Chrysene**	**89.9**		ug/kg dry	21.7	43.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 12:47	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	21.7	43.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 12:47	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	21.7	43.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 12:47	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	21.7	43.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 12:47	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	21.7	43.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 12:47	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	21.7	43.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 12:47	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	21.7	43.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 12:47	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	21.7	43.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 12:47	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	21.7	43.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 12:47	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	21.7	43.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 12:47	KH

Sample Information

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

York Sample ID: 15A0405-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0405	14-133-1103 37-14 34th Street	Soil	January 14, 2015 3:00 pm	01/14/2015

Semi-Volatiles, NJDEP/TCL/Part 375 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
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	21.7	43.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 12:47	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	21.7	43.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 12:47	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	43.3	86.4	1	EPA 8270D	01/16/2015 13:07	01/19/2015 12:47	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	43.3	86.4	1	EPA 8270D	01/16/2015 13:07	01/19/2015 12:47	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	21.7	43.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 12:47	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	21.7	43.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 12:47	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	21.7	43.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 12:47	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	21.7	43.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 12:47	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	21.7	43.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 12:47	KH
206-44-0	**Fluoranthene**	**194**		ug/kg dry	21.7	43.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 12:47	KH
86-73-7	**Fluorene**	**34.6**	J	ug/kg dry	21.7	43.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 12:47	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	21.7	43.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 12:47	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	21.7	43.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 12:47	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	21.7	43.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 12:47	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	21.7	43.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 12:47	KH
193-39-5	**Indeno(1,2,3-cd)pyrene**	**42.5**	J	ug/kg dry	21.7	43.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 12:47	KH
78-59-1	Isophorone	ND		ug/kg dry	21.7	43.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 12:47	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	21.7	43.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 12:47	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	21.7	43.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 12:47	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	21.7	43.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 12:47	KH
91-20-3	Naphthalene	ND		ug/kg dry	21.7	43.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 12:47	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	43.3	86.4	1	EPA 8270D	01/16/2015 13:07	01/19/2015 12:47	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	43.3	86.4	1	EPA 8270D	01/16/2015 13:07	01/19/2015 12:47	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	43.3	86.4	1	EPA 8270D	01/16/2015 13:07	01/19/2015 12:47	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	21.7	43.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 12:47	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	21.7	43.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 12:47	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	43.3	86.4	1	EPA 8270D	01/16/2015 13:07	01/19/2015 12:47	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	21.7	43.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 12:47	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	21.7	43.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 12:47	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	21.7	43.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 12:47	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	21.7	43.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 12:47	KH
85-01-8	**Phenanthrene**	**269**		ug/kg dry	21.7	43.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 12:47	KH
108-95-2	Phenol	ND		ug/kg dry	21.7	43.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 12:47	KH
129-00-0	**Pyrene**	**175**		ug/kg dry	21.7	43.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 12:47	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	43.3	86.4	1	EPA 8270D	01/16/2015 13:07	01/19/2015 12:47	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	43.3	86.4	1	EPA 8270D	01/16/2015 13:07	01/19/2015 12:47	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	21.7	43.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 12:47	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	21.7	43.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 12:47	KH

Sample Information

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

York Sample ID: 15A0405-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0405	14-133-1103 37-14 34th Street	Soil	January 14, 2015 3:00 pm	01/14/2015

Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	21.7	43.3	1	EPA 8270D	01/16/2015 13:07	01/19/2015 12:47	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*63.4 %*	*10-99*
4165-62-2	*Surrogate: Phenol-d5*	*64.9 %*	*10-108*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*60.2 %*	*10-119*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*60.6 %*	*10-114*
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*46.0 %*	*10-106*
1718-51-0	*Surrogate: Terphenyl-d14*	*56.1 %*	*10-123*

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	2.57	2.57	5	EPA 8081B	01/15/2015 20:00	01/16/2015 17:30	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	2.57	2.57	5	EPA 8081B	01/15/2015 20:00	01/16/2015 17:30	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	2.57	2.57	5	EPA 8081B	01/15/2015 20:00	01/16/2015 17:30	JW
309-00-2	Aldrin	ND		ug/kg dry	2.57	2.57	5	EPA 8081B	01/15/2015 20:00	01/16/2015 17:30	JW
319-84-6	alpha-BHC	ND		ug/kg dry	2.57	2.57	5	EPA 8081B	01/15/2015 20:00	01/16/2015 17:30	JW
319-85-7	beta-BHC	ND		ug/kg dry	2.57	2.57	5	EPA 8081B	01/15/2015 20:00	01/16/2015 17:30	JW
57-74-9	Chlordane, total	ND		ug/kg dry	103	103	5	EPA 8081B	01/15/2015 20:00	01/16/2015 17:30	JW
5103-74-2	gamma-Chlordane	ND		ug/kg dry	2.57	2.57	5	EPA 8081B	01/15/2015 20:00	01/16/2015 17:30	JW
319-86-8	delta-BHC	ND		ug/kg dry	2.57	2.57	5	EPA 8081B	01/15/2015 20:00	01/16/2015 17:30	JW
60-57-1	Dieldrin	ND		ug/kg dry	2.57	2.57	5	EPA 8081B	01/15/2015 20:00	01/16/2015 17:30	JW
959-98-8	Endosulfan I	ND		ug/kg dry	2.57	2.57	5	EPA 8081B	01/15/2015 20:00	01/16/2015 17:30	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	2.57	2.57	5	EPA 8081B	01/15/2015 20:00	01/16/2015 17:30	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	2.57	2.57	5	EPA 8081B	01/15/2015 20:00	01/16/2015 17:30	JW
72-20-8	Endrin	ND		ug/kg dry	2.57	2.57	5	EPA 8081B	01/15/2015 20:00	01/16/2015 17:30	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	2.57	2.57	5	EPA 8081B	01/15/2015 20:00	01/16/2015 17:30	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	2.57	2.57	5	EPA 8081B	01/15/2015 20:00	01/16/2015 17:30	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	2.57	2.57	5	EPA 8081B	01/15/2015 20:00	01/16/2015 17:30	JW
76-44-8	Heptachlor	ND		ug/kg dry	2.57	2.57	5	EPA 8081B	01/15/2015 20:00	01/16/2015 17:30	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	2.57	2.57	5	EPA 8081B	01/15/2015 20:00	01/16/2015 17:30	JW
5103-71-9	alpha-Chlordane	ND		ug/kg dry	2.57	2.57	5	EPA 8081B	01/15/2015 20:00	01/16/2015 17:30	JW
72-43-5	Methoxychlor	ND		ug/kg dry	12.8	12.8	5	EPA 8081B	01/15/2015 20:00	01/16/2015 17:30	JW
8001-35-2	Toxaphene	ND		ug/kg dry	130	130	5	EPA 8081B	01/15/2015 20:00	01/16/2015 17:30	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*42.8 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*53.6 %*	*30-140*

Sample Information

Client Sample ID: **SB-3 (0-2')** **York Sample ID:** **15A0405-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0405	14-133-1103 37-14 34th Street	Soil	January 14, 2015 3:00 pm	01/14/2015

Polychlorinated Biphenyls (PCB)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3545A

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	0.0259	0.0259	1	EPA 8082A	01/15/2015 20:00	01/16/2015 21:51	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0259	0.0259	1	EPA 8082A	01/15/2015 20:00	01/16/2015 21:51	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0259	0.0259	1	EPA 8082A	01/15/2015 20:00	01/16/2015 21:51	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0259	0.0259	1	EPA 8082A	01/15/2015 20:00	01/16/2015 21:51	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0259	0.0259	1	EPA 8082A	01/15/2015 20:00	01/16/2015 21:51	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0259	0.0259	1	EPA 8082A	01/15/2015 20:00	01/16/2015 21:51	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0259	0.0259	1	EPA 8082A	01/15/2015 20:00	01/16/2015 21:51	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0259	0.0259	1	EPA 8082A	01/15/2015 20:00	01/16/2015 21:51	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*52.2 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*44.8 %*	*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**	**8760**		mg/kg dry	1.04	1.04	1	EPA 6010C	01/15/2015 14:23	01/15/2015 19:21	MW
7440-36-0	Antimony	ND		mg/kg dry	0.519	0.519	1	EPA 6010C	01/15/2015 14:23	01/15/2015 19:21	MW
7440-38-2	**Arsenic**	**2.02**		mg/kg dry	1.04	1.04	1	EPA 6010C	01/15/2015 14:23	01/15/2015 19:21	MW
7440-39-3	**Barium**	**54.8**		mg/kg dry	1.04	1.04	1	EPA 6010C	01/15/2015 14:23	01/15/2015 19:21	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.104	0.104	1	EPA 6010C	01/15/2015 14:23	01/15/2015 19:21	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.311	0.311	1	EPA 6010C	01/15/2015 14:23	01/15/2015 19:21	MW
7440-70-2	**Calcium**	**1870**		mg/kg dry	0.519	5.19	1	EPA 6010C	01/15/2015 14:23	01/15/2015 19:21	MW
7440-47-3	**Chromium**	**21.8**		mg/kg dry	0.519	0.519	1	EPA 6010C	01/15/2015 14:23	01/15/2015 19:21	MW
7440-48-4	**Cobalt**	**7.96**		mg/kg dry	0.519	0.519	1	EPA 6010C	01/15/2015 14:23	01/15/2015 19:21	MW
7440-50-8	**Copper**	**15.3**		mg/kg dry	0.519	0.519	1	EPA 6010C	01/15/2015 14:23	01/15/2015 19:21	MW
7439-89-6	**Iron**	**15500**		mg/kg dry	2.08	2.08	1	EPA 6010C	01/15/2015 14:23	01/15/2015 19:21	MW
7439-92-1	**Lead**	**4.49**		mg/kg dry	0.311	0.311	1	EPA 6010C	01/15/2015 14:23	01/15/2015 19:21	MW
7439-95-4	**Magnesium**	**4410**		mg/kg dry	5.19	5.19	1	EPA 6010C	01/15/2015 14:23	01/15/2015 19:21	MW
7439-96-5	**Manganese**	**314**		mg/kg dry	0.519	0.519	1	EPA 6010C	01/15/2015 14:23	01/15/2015 19:21	MW
7440-02-0	**Nickel**	**18.3**		mg/kg dry	0.519	0.519	1	EPA 6010C	01/15/2015 14:23	01/15/2015 19:21	MW
7440-09-7	**Potassium**	**1440**		mg/kg dry	5.19	5.19	1	EPA 6010C	01/15/2015 14:23	01/15/2015 19:21	MW
7782-49-2	**Selenium**	**4.00**		mg/kg dry	1.04	1.04	1	EPA 6010C	01/15/2015 14:23	01/15/2015 19:21	MW
7440-22-4	Silver	ND		mg/kg dry	0.519	0.519	1	EPA 6010C	01/15/2015 14:23	01/15/2015 19:21	MW
7440-23-5	**Sodium**	**176**		mg/kg dry	10.4	10.4	1	EPA 6010C	01/15/2015 14:23	01/15/2015 19:21	MW
7440-28-0	Thallium	ND		mg/kg dry	1.04	1.04	1	EPA 6010C	01/15/2015 14:23	01/15/2015 19:21	MW
7440-62-2	**Vanadium**	**28.0**		mg/kg dry	1.04	1.04	1	EPA 6010C	01/15/2015 14:23	01/15/2015 19:21	MW
7440-66-6	**Zinc**	**38.5**		mg/kg dry	1.04	1.04	1	EPA 6010C	01/15/2015 14:23	01/15/2015 19:21	MW

Sample Information

Client Sample ID: SB-3 (0-2') **York Sample ID:** 15A0405-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0405	14-133-1103 37-14 34th Street	Soil	January 14, 2015 3:00 pm	01/14/2015

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0311	0.0311	1	EPA 7473	01/16/2015 06:55	01/16/2015 09:31	ALD

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**96.4**		%	0.100	0.100	1	SM 2540G	01/16/2015 11:09	01/16/2015 15:59	KK

Chromium, Hexavalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.363	0.519	1	EPA 7196A	01/19/2015 10:36	01/20/2015 15:27	KK

Chromium, Trivalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**21.8**		mg/L	0.00800	0.0100	1	Calculation	01/21/2015 16:40	01/21/2015 16:42	PAM

Sample Information

Client Sample ID: SB-3 (12-14') **York Sample ID:** 15A0405-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0405	14-133-1103 37-14 34th Street	Soil	January 14, 2015 3:00 pm	01/14/2015

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	01/20/2015 08:06	01/20/2015 12:28	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	01/20/2015 08:06	01/20/2015 12:28	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	01/20/2015 08:06	01/20/2015 12:28	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	01/20/2015 08:06	01/20/2015 12:28	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	01/20/2015 08:06	01/20/2015 12:28	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	01/20/2015 08:06	01/20/2015 12:28	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	01/20/2015 08:06	01/20/2015 12:28	SS

Sample Information

Client Sample ID: **SB-3 (12-14')** **York Sample ID:** **15A0405-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0405	14-133-1103 37-14 34th Street	Soil	January 14, 2015 3:00 pm	01/14/2015

Volatile Organics, NJDEP/TCL/Part 375 List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-97-5	Bromochloromethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	01/20/2015 08:06	01/20/2015 12:28	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	01/20/2015 08:06	01/20/2015 12:28	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	01/20/2015 08:06	01/20/2015 12:28	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	01/20/2015 08:06	01/20/2015 12:28	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	01/20/2015 08:06	01/20/2015 12:28	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	01/20/2015 08:06	01/20/2015 12:28	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	01/20/2015 08:06	01/20/2015 12:28	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	01/20/2015 08:06	01/20/2015 12:28	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	01/20/2015 08:06	01/20/2015 12:28	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	01/20/2015 08:06	01/20/2015 12:28	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	01/20/2015 08:06	01/20/2015 12:28	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	01/20/2015 08:06	01/20/2015 12:28	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	47	93	1	EPA 8260C	01/20/2015 08:06	01/20/2015 12:28	SS
110-82-7	Cyclohexane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	01/20/2015 08:06	01/20/2015 12:28	SS
78-93-3	2-Butanone	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	01/20/2015 08:06	01/20/2015 12:28	SS
591-78-6	2-Hexanone	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	01/20/2015 08:06	01/20/2015 12:28	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	01/20/2015 08:06	01/20/2015 12:28	SS
67-64-1	**Acetone**	**8.3**	CCV-E , J	ug/kg dry	4.7	9.3	1	EPA 8260C	01/20/2015 08:06	01/20/2015 12:28	SS
107-02-8	Acrolein	ND		ug/kg dry	4.7	9.3	1	EPA 8260C	01/20/2015 08:06	01/20/2015 12:28	SS
107-13-1	Acrylonitrile	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	01/20/2015 08:06	01/20/2015 12:28	SS
71-43-2	Benzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	01/20/2015 08:06	01/20/2015 12:28	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	01/20/2015 08:06	01/20/2015 12:28	SS
75-25-2	Bromoform	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	01/20/2015 08:06	01/20/2015 12:28	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	01/20/2015 08:06	01/20/2015 12:28	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	01/20/2015 08:06	01/20/2015 12:28	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	01/20/2015 08:06	01/20/2015 12:28	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	01/20/2015 08:06	01/20/2015 12:28	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	01/20/2015 08:06	01/20/2015 12:28	SS
67-66-3	Chloroform	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	01/20/2015 08:06	01/20/2015 12:28	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	01/20/2015 08:06	01/20/2015 12:28	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	01/20/2015 08:06	01/20/2015 12:28	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	01/20/2015 08:06	01/20/2015 12:28	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	01/20/2015 08:06	01/20/2015 12:28	SS
74-95-3	Dibromomethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	01/20/2015 08:06	01/20/2015 12:28	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	01/20/2015 08:06	01/20/2015 12:28	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	01/20/2015 08:06	01/20/2015 12:28	SS
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	01/20/2015 08:06	01/20/2015 12:28	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	01/20/2015 08:06	01/20/2015 12:28	SS

Sample Information

Client Sample ID: **SB-3 (12-14')** **York Sample ID:** **15A0405-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0405	14-133-1103 37-14 34th Street	Soil	January 14, 2015 3:00 pm	01/14/2015

Volatile Organics, NJDEP/TCL/Part 375 List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	01/20/2015 08:06	01/20/2015 12:28	SS
79-20-9	Methyl acetate	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	01/20/2015 08:06	01/20/2015 12:28	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	01/20/2015 08:06	01/20/2015 12:28	SS
75-09-2	Methylene chloride	ND		ug/kg dry	4.7	9.3	1	EPA 8260C	01/20/2015 08:06	01/20/2015 12:28	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	01/20/2015 08:06	01/20/2015 12:28	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	01/20/2015 08:06	01/20/2015 12:28	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	01/20/2015 08:06	01/20/2015 12:28	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	01/20/2015 08:06	01/20/2015 12:28	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.7	9.3	1	EPA 8260C	01/20/2015 08:06	01/20/2015 12:28	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	01/20/2015 08:06	01/20/2015 12:28	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	01/20/2015 08:06	01/20/2015 12:28	SS
100-42-5	Styrene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	01/20/2015 08:06	01/20/2015 12:28	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	01/20/2015 08:06	01/20/2015 12:28	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	01/20/2015 08:06	01/20/2015 12:28	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	01/20/2015 08:06	01/20/2015 12:28	SS
108-88-3	Toluene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	01/20/2015 08:06	01/20/2015 12:28	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	01/20/2015 08:06	01/20/2015 12:28	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	01/20/2015 08:06	01/20/2015 12:28	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	01/20/2015 08:06	01/20/2015 12:28	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	01/20/2015 08:06	01/20/2015 12:28	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	01/20/2015 08:06	01/20/2015 12:28	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	7.0	14	1	EPA 8260C	01/20/2015 08:06	01/20/2015 12:28	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*110 %*	*77-125*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*96.1 %*	*76-130*
2037-26-5	*Surrogate: Toluene-d8*	*99.4 %*	*85-120*

Sample Information

Client Sample ID: **SB-3 (12-14')** **York Sample ID:** **15A0405-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0405	14-133-1103 37-14 34th Street	Soil	January 14, 2015 3:00 pm	01/14/2015

Semi-Volatiles, NJDEP/TCL/Part 375 List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	21.3	42.5	1	EPA 8270D	01/16/2015 13:07	01/19/2015 13:20	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	21.3	42.5	1	EPA 8270D	01/16/2015 13:07	01/19/2015 13:20	KH
98-86-2	Acetophenone	ND		ug/kg dry	21.3	42.5	1	EPA 8270D	01/16/2015 13:07	01/19/2015 13:20	KH
62-53-3	Aniline	ND		ug/kg dry	85.0	170	1	EPA 8270D	01/16/2015 13:07	01/19/2015 13:20	KH
120-12-7	Anthracene	ND		ug/kg dry	21.3	42.5	1	EPA 8270D	01/16/2015 13:07	01/19/2015 13:20	KH
1912-24-9	Atrazine	ND		ug/kg dry	21.3	42.5	1	EPA 8270D	01/16/2015 13:07	01/19/2015 13:20	KH
100-52-7	Benzaldehyde	ND		ug/kg dry	21.3	42.5	1	EPA 8270D	01/16/2015 13:07	01/19/2015 13:20	KH
92-87-5	Benzidine	ND		ug/kg dry	85.0	170	1	EPA 8270D	01/16/2015 13:07	01/19/2015 13:20	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	21.3	42.5	1	EPA 8270D	01/16/2015 13:07	01/19/2015 13:20	KH
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	21.3	42.5	1	EPA 8270D	01/16/2015 13:07	01/19/2015 13:20	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	21.3	42.5	1	EPA 8270D	01/16/2015 13:07	01/19/2015 13:20	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	21.3	42.5	1	EPA 8270D	01/16/2015 13:07	01/19/2015 13:20	KH
65-85-0	Benzoic acid	ND		ug/kg dry	21.3	42.5	1	EPA 8270D	01/16/2015 13:07	01/19/2015 13:20	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	21.3	42.5	1	EPA 8270D	01/16/2015 13:07	01/19/2015 13:20	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	21.3	42.5	1	EPA 8270D	01/16/2015 13:07	01/19/2015 13:20	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	21.3	42.5	1	EPA 8270D	01/16/2015 13:07	01/19/2015 13:20	KH
92-52-4	1,1'-Biphenyl	ND		ug/kg dry	21.3	42.5	1	EPA 8270D	01/16/2015 13:07	01/19/2015 13:20	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	21.3	42.5	1	EPA 8270D	01/16/2015 13:07	01/19/2015 13:20	KH
105-60-2	Caprolactam	ND		ug/kg dry	42.5	84.8	1	EPA 8270D	01/16/2015 13:07	01/19/2015 13:20	KH
86-74-8	Carbazole	ND		ug/kg dry	21.3	42.5	1	EPA 8270D	01/16/2015 13:07	01/19/2015 13:20	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	21.3	42.5	1	EPA 8270D	01/16/2015 13:07	01/19/2015 13:20	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	21.3	42.5	1	EPA 8270D	01/16/2015 13:07	01/19/2015 13:20	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	21.3	42.5	1	EPA 8270D	01/16/2015 13:07	01/19/2015 13:20	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	21.3	42.5	1	EPA 8270D	01/16/2015 13:07	01/19/2015 13:20	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	21.3	42.5	1	EPA 8270D	01/16/2015 13:07	01/19/2015 13:20	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	21.3	42.5	1	EPA 8270D	01/16/2015 13:07	01/19/2015 13:20	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	21.3	42.5	1	EPA 8270D	01/16/2015 13:07	01/19/2015 13:20	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	21.3	42.5	1	EPA 8270D	01/16/2015 13:07	01/19/2015 13:20	KH
218-01-9	Chrysene	ND		ug/kg dry	21.3	42.5	1	EPA 8270D	01/16/2015 13:07	01/19/2015 13:20	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	21.3	42.5	1	EPA 8270D	01/16/2015 13:07	01/19/2015 13:20	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	21.3	42.5	1	EPA 8270D	01/16/2015 13:07	01/19/2015 13:20	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	21.3	42.5	1	EPA 8270D	01/16/2015 13:07	01/19/2015 13:20	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	21.3	42.5	1	EPA 8270D	01/16/2015 13:07	01/19/2015 13:20	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	21.3	42.5	1	EPA 8270D	01/16/2015 13:07	01/19/2015 13:20	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	21.3	42.5	1	EPA 8270D	01/16/2015 13:07	01/19/2015 13:20	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	21.3	42.5	1	EPA 8270D	01/16/2015 13:07	01/19/2015 13:20	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	21.3	42.5	1	EPA 8270D	01/16/2015 13:07	01/19/2015 13:20	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	21.3	42.5	1	EPA 8270D	01/16/2015 13:07	01/19/2015 13:20	KH

Sample Information

Client Sample ID: SB-3 (12-14')

York Sample ID: 15A0405-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0405	14-133-1103 37-14 34th Street	Soil	January 14, 2015 3:00 pm	01/14/2015

Semi-Volatiles, NJDEP/TCL/Part 375 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
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	21.3	42.5	1	EPA 8270D	01/16/2015 13:07	01/19/2015 13:20	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	21.3	42.5	1	EPA 8270D	01/16/2015 13:07	01/19/2015 13:20	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	42.5	84.8	1	EPA 8270D	01/16/2015 13:07	01/19/2015 13:20	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	42.5	84.8	1	EPA 8270D	01/16/2015 13:07	01/19/2015 13:20	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	21.3	42.5	1	EPA 8270D	01/16/2015 13:07	01/19/2015 13:20	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	21.3	42.5	1	EPA 8270D	01/16/2015 13:07	01/19/2015 13:20	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	21.3	42.5	1	EPA 8270D	01/16/2015 13:07	01/19/2015 13:20	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	21.3	42.5	1	EPA 8270D	01/16/2015 13:07	01/19/2015 13:20	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	21.3	42.5	1	EPA 8270D	01/16/2015 13:07	01/19/2015 13:20	KH
206-44-0	Fluoranthene	ND		ug/kg dry	21.3	42.5	1	EPA 8270D	01/16/2015 13:07	01/19/2015 13:20	KH
86-73-7	Fluorene	ND		ug/kg dry	21.3	42.5	1	EPA 8270D	01/16/2015 13:07	01/19/2015 13:20	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	21.3	42.5	1	EPA 8270D	01/16/2015 13:07	01/19/2015 13:20	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	21.3	42.5	1	EPA 8270D	01/16/2015 13:07	01/19/2015 13:20	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	21.3	42.5	1	EPA 8270D	01/16/2015 13:07	01/19/2015 13:20	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	21.3	42.5	1	EPA 8270D	01/16/2015 13:07	01/19/2015 13:20	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	21.3	42.5	1	EPA 8270D	01/16/2015 13:07	01/19/2015 13:20	KH
78-59-1	Isophorone	ND		ug/kg dry	21.3	42.5	1	EPA 8270D	01/16/2015 13:07	01/19/2015 13:20	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	21.3	42.5	1	EPA 8270D	01/16/2015 13:07	01/19/2015 13:20	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	21.3	42.5	1	EPA 8270D	01/16/2015 13:07	01/19/2015 13:20	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	21.3	42.5	1	EPA 8270D	01/16/2015 13:07	01/19/2015 13:20	KH
91-20-3	Naphthalene	ND		ug/kg dry	21.3	42.5	1	EPA 8270D	01/16/2015 13:07	01/19/2015 13:20	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	42.5	84.8	1	EPA 8270D	01/16/2015 13:07	01/19/2015 13:20	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	42.5	84.8	1	EPA 8270D	01/16/2015 13:07	01/19/2015 13:20	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	42.5	84.8	1	EPA 8270D	01/16/2015 13:07	01/19/2015 13:20	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	21.3	42.5	1	EPA 8270D	01/16/2015 13:07	01/19/2015 13:20	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	21.3	42.5	1	EPA 8270D	01/16/2015 13:07	01/19/2015 13:20	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	42.5	84.8	1	EPA 8270D	01/16/2015 13:07	01/19/2015 13:20	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	21.3	42.5	1	EPA 8270D	01/16/2015 13:07	01/19/2015 13:20	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	21.3	42.5	1	EPA 8270D	01/16/2015 13:07	01/19/2015 13:20	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	21.3	42.5	1	EPA 8270D	01/16/2015 13:07	01/19/2015 13:20	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	21.3	42.5	1	EPA 8270D	01/16/2015 13:07	01/19/2015 13:20	KH
85-01-8	Phenanthrene	ND		ug/kg dry	21.3	42.5	1	EPA 8270D	01/16/2015 13:07	01/19/2015 13:20	KH
108-95-2	Phenol	ND		ug/kg dry	21.3	42.5	1	EPA 8270D	01/16/2015 13:07	01/19/2015 13:20	KH
129-00-0	Pyrene	ND		ug/kg dry	21.3	42.5	1	EPA 8270D	01/16/2015 13:07	01/19/2015 13:20	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	42.5	84.8	1	EPA 8270D	01/16/2015 13:07	01/19/2015 13:20	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	42.5	84.8	1	EPA 8270D	01/16/2015 13:07	01/19/2015 13:20	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	21.3	42.5	1	EPA 8270D	01/16/2015 13:07	01/19/2015 13:20	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	21.3	42.5	1	EPA 8270D	01/16/2015 13:07	01/19/2015 13:20	KH

Sample Information

Client Sample ID: **SB-3 (12-14')** **York Sample ID:** **15A0405-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0405	14-133-1103 37-14 34th Street	Soil	January 14, 2015 3:00 pm	01/14/2015

Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	21.3	42.5	1	EPA 8270D	01/16/2015 13:07	01/19/2015 13:20	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*61.1 %*	*10-99*
4165-62-2	*Surrogate: Phenol-d5*	*64.2 %*	*10-108*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*60.1 %*	*10-119*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*61.8 %*	*10-114*
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*46.6 %*	*10-106*
1718-51-0	*Surrogate: Terphenyl-d14*	*58.1 %*	*10-123*

Pesticides, 8081 target list

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	2.52	2.52	5	EPA 8081B	01/15/2015 20:00	01/16/2015 17:45	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	2.52	2.52	5	EPA 8081B	01/15/2015 20:00	01/16/2015 17:45	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	2.52	2.52	5	EPA 8081B	01/15/2015 20:00	01/16/2015 17:45	JW
309-00-2	Aldrin	ND		ug/kg dry	2.52	2.52	5	EPA 8081B	01/15/2015 20:00	01/16/2015 17:45	JW
319-84-6	alpha-BHC	ND		ug/kg dry	2.52	2.52	5	EPA 8081B	01/15/2015 20:00	01/16/2015 17:45	JW
319-85-7	beta-BHC	ND		ug/kg dry	2.52	2.52	5	EPA 8081B	01/15/2015 20:00	01/16/2015 17:45	JW
57-74-9	Chlordane, total	ND		ug/kg dry	101	101	5	EPA 8081B	01/15/2015 20:00	01/16/2015 17:45	JW
5103-74-2	gamma-Chlordane	ND		ug/kg dry	2.52	2.52	5	EPA 8081B	01/15/2015 20:00	01/16/2015 17:45	JW
319-86-8	delta-BHC	ND		ug/kg dry	2.52	2.52	5	EPA 8081B	01/15/2015 20:00	01/16/2015 17:45	JW
60-57-1	Dieldrin	ND		ug/kg dry	2.52	2.52	5	EPA 8081B	01/15/2015 20:00	01/16/2015 17:45	JW
959-98-8	Endosulfan I	ND		ug/kg dry	2.52	2.52	5	EPA 8081B	01/15/2015 20:00	01/16/2015 17:45	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	2.52	2.52	5	EPA 8081B	01/15/2015 20:00	01/16/2015 17:45	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	2.52	2.52	5	EPA 8081B	01/15/2015 20:00	01/16/2015 17:45	JW
72-20-8	Endrin	ND		ug/kg dry	2.52	2.52	5	EPA 8081B	01/15/2015 20:00	01/16/2015 17:45	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	2.52	2.52	5	EPA 8081B	01/15/2015 20:00	01/16/2015 17:45	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	2.52	2.52	5	EPA 8081B	01/15/2015 20:00	01/16/2015 17:45	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	2.52	2.52	5	EPA 8081B	01/15/2015 20:00	01/16/2015 17:45	JW
76-44-8	Heptachlor	ND		ug/kg dry	2.52	2.52	5	EPA 8081B	01/15/2015 20:00	01/16/2015 17:45	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	2.52	2.52	5	EPA 8081B	01/15/2015 20:00	01/16/2015 17:45	JW
5103-71-9	alpha-Chlordane	ND		ug/kg dry	2.52	2.52	5	EPA 8081B	01/15/2015 20:00	01/16/2015 17:45	JW
72-43-5	Methoxychlor	ND		ug/kg dry	12.6	12.6	5	EPA 8081B	01/15/2015 20:00	01/16/2015 17:45	JW
8001-35-2	Toxaphene	ND		ug/kg dry	128	128	5	EPA 8081B	01/15/2015 20:00	01/16/2015 17:45	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*70.2 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*85.8 %*	*30-140*

Sample Information

Client Sample ID: **SB-3 (12-14')** **York Sample ID:** **15A0405-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0405	14-133-1103 37-14 34th Street	Soil	January 14, 2015 3:00 pm	01/14/2015

Polychlorinated Biphenyls (PCB)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3545A

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	0.0255	0.0255	1	EPA 8082A	01/15/2015 20:00	01/16/2015 22:20	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0255	0.0255	1	EPA 8082A	01/15/2015 20:00	01/16/2015 22:20	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0255	0.0255	1	EPA 8082A	01/15/2015 20:00	01/16/2015 22:20	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0255	0.0255	1	EPA 8082A	01/15/2015 20:00	01/16/2015 22:20	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0255	0.0255	1	EPA 8082A	01/15/2015 20:00	01/16/2015 22:20	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0255	0.0255	1	EPA 8082A	01/15/2015 20:00	01/16/2015 22:20	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0255	0.0255	1	EPA 8082A	01/15/2015 20:00	01/16/2015 22:20	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0255	0.0255	1	EPA 8082A	01/15/2015 20:00	01/16/2015 22:20	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*84.2 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*72.6 %*	*30-140*

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**5790**		mg/kg dry	1.02	1.02	1	EPA 6010C	01/15/2015 14:23	01/15/2015 19:26	MW
7440-36-0	Antimony	ND		mg/kg dry	0.509	0.509	1	EPA 6010C	01/15/2015 14:23	01/15/2015 19:26	MW
7440-38-2	**Arsenic**	**1.89**		mg/kg dry	1.02	1.02	1	EPA 6010C	01/15/2015 14:23	01/15/2015 19:26	MW
7440-39-3	**Barium**	**32.2**		mg/kg dry	1.02	1.02	1	EPA 6010C	01/15/2015 14:23	01/15/2015 19:26	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.102	0.102	1	EPA 6010C	01/15/2015 14:23	01/15/2015 19:26	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.306	0.306	1	EPA 6010C	01/15/2015 14:23	01/15/2015 19:26	MW
7440-70-2	**Calcium**	**5520**		mg/kg dry	0.509	5.09	1	EPA 6010C	01/15/2015 14:23	01/15/2015 19:26	MW
7440-47-3	**Chromium**	**13.6**		mg/kg dry	0.509	0.509	1	EPA 6010C	01/15/2015 14:23	01/15/2015 19:26	MW
7440-48-4	**Cobalt**	**6.38**		mg/kg dry	0.509	0.509	1	EPA 6010C	01/15/2015 14:23	01/15/2015 19:26	MW
7440-50-8	**Copper**	**18.4**		mg/kg dry	0.509	0.509	1	EPA 6010C	01/15/2015 14:23	01/15/2015 19:26	MW
7439-89-6	**Iron**	**12000**		mg/kg dry	2.04	2.04	1	EPA 6010C	01/15/2015 14:23	01/15/2015 19:26	MW
7439-92-1	**Lead**	**2.94**		mg/kg dry	0.306	0.306	1	EPA 6010C	01/15/2015 14:23	01/15/2015 19:26	MW
7439-95-4	**Magnesium**	**5520**		mg/kg dry	5.09	5.09	1	EPA 6010C	01/15/2015 14:23	01/15/2015 19:26	MW
7439-96-5	**Manganese**	**260**		mg/kg dry	0.509	0.509	1	EPA 6010C	01/15/2015 14:23	01/15/2015 19:26	MW
7440-02-0	**Nickel**	**16.2**		mg/kg dry	0.509	0.509	1	EPA 6010C	01/15/2015 14:23	01/15/2015 19:26	MW
7440-09-7	**Potassium**	**1000**		mg/kg dry	5.09	5.09	1	EPA 6010C	01/15/2015 14:23	01/15/2015 19:26	MW
7782-49-2	**Selenium**	**3.03**		mg/kg dry	1.02	1.02	1	EPA 6010C	01/15/2015 14:23	01/15/2015 19:26	MW
7440-22-4	Silver	ND		mg/kg dry	0.509	0.509	1	EPA 6010C	01/15/2015 14:23	01/15/2015 19:26	MW
7440-23-5	**Sodium**	**201**		mg/kg dry	10.2	10.2	1	EPA 6010C	01/15/2015 14:23	01/15/2015 19:26	MW
7440-28-0	Thallium	ND		mg/kg dry	1.02	1.02	1	EPA 6010C	01/15/2015 14:23	01/15/2015 19:26	MW
7440-62-2	**Vanadium**	**21.8**		mg/kg dry	1.02	1.02	1	EPA 6010C	01/15/2015 14:23	01/15/2015 19:26	MW
7440-66-6	**Zinc**	**28.8**		mg/kg dry	1.02	1.02	1	EPA 6010C	01/15/2015 14:23	01/15/2015 19:26	MW

Sample Information

Client Sample ID: **SB-3 (12-14')** **York Sample ID:** **15A0405-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0405	14-133-1103 37-14 34th Street	Soil	January 14, 2015 3:00 pm	01/14/2015

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0306	0.0306	1	EPA 7473	01/16/2015 06:55	01/16/2015 09:41	ALD

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**98.2**		%	0.100	0.100	1	SM 2540G	01/16/2015 11:09	01/16/2015 15:59	KK

Chromium, Hexavalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.356	0.509	1	EPA 7196A	01/19/2015 10:36	01/20/2015 15:27	KK

Chromium, Trivalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**13.6**		mg/L	0.00800	0.0100	1	Calculation	01/21/2015 16:40	01/21/2015 16:42	PAM

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
15A0405-01	SB-1 (0-2')	40mL Vial with Stir Bar-Cool 4° C
15A0405-02	SB-1 (12-14')	40mL Vial with Stir Bar-Cool 4° C
15A0405-03	SB-2(0-2')	40mL Vial with Stir Bar-Cool 4° C
15A0405-04	SB-2 (12-14')	40mL Vial with Stir Bar-Cool 4° C
15A0405-05	SB-3 (0-2')	40mL 01_Clear Vial Cool to 4° C
15A0405-06	SB-3 (12-14')	40mL Vial with Stir Bar-Cool 4° C

Notes and Definitions

QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
M-MISpk	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The SRM was within acceptance limits, therefore data are acceptable.
M-HCSpk	Sample conc. >10 X spike conc.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
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).
Cal-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20% AND correlation coefficient <0.990 for quadratic fit).

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*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two.
For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

YORK ANALYTICAL LABORATORIES
120 RESEARCH DR.
STRATFORD, CT 06615
(203) 325-1371
FAX (203) 357-0166

Field Chain-of-Custody Record

NOTE: York's Std. Terms & Conditions are listed on the back side of this document. This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions.

York Project No. 95A0405

YOUR Information

Company: Athenica Environmental
Address: 45-01 Greenpoint Ave, Queens, NY 11104
Phone No. 718 784-7470
Contact Person: Michael Mandac
E-Mail Address: mmandac@athenica.com

Report To:

Company:
Address: SAME
Phone No.
Attention:
E-Mail Address:

Invoice To:

Company:
Address: SAME
Phone No.
Attention:
E-Mail Address:

YOUR Project ID

H-133-1103
37-14 34th Street

Purchase Order No.

Samples from: CT ___ (NY) NJ ___

Turn-Around Time

- RUSH - Same Day ☐
- RUSH - Next Day ☐
- RUSH - Two Day ☐
- RUSH - Three Day ☐
- RUSH - Four Day ☐
- Standard(5-7 Days) ☒

Report Type

- Summary Report: X
- Summary w/ QA Summary
- CT RCP Package
- CTRCP DQA/DUE Pkg
- NY ASP A Package
- NY ASP B Package
- NJDEP Red. Deliv.

Electronic Data Deliverables (EDD)

- Simple Excel: X
- NYSDEC EQuIS
- EQuIS (std)
- EZ-EDD (EQuIS)
- NJDEP SRP HazSite EDD
- GIS/KEY (std)
- Other

York Regulatory Comparison Excel Spreadsheet

Compare to the following Regs. (please fill in): NYSDEC Part 375 Unrestricted

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): Michael C. Z

Name (printed): Michael Mandac

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	Misc.
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.	Corrosivity
624	Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics	Reactivity
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN	Ignitability
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP	Flash Point
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX	Sieve Anal.
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part 360-Routine	Heterotrophs
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part 360-Baseline	TOX
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part 360-Expanded No Dioxins/Furans	BTU/lb.
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part 360-Expanded Full List	Aquatic Tox.
Halog.only	NJDEP list	App. IX	Chlordane	Indiv. Metals	Air TICs	NYCDEP Sewer	TOC
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer	Asbestos
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM	Silica

Sample Identification	Date/Time Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
SB-1 (0'-2')	1/14/15	Soil	TCL VOCs, TCL SVOCs, Pest 8081, PCBs 8082, TAL Metals 6010, mercury 7471, & chromiums	4x 40mL vials + 1x 8oz jar
SB-1 (12'-14')				
SB-2 (0'-2')				
SB-2 (12'-14')				
SB-3 (0'-2')				
SB-3 (12'-14')				

Comments: "E" Designation Project

Preservation Check those Applicable: 4°C ___ Frozen ___ HCl ___ MeOH ___ HNO_3 ___ H_2SO_4 ___ NaOH ___ ZnAc ___ Ascorbic Acid ___ Other 3L pH

Special Instructions
- Field Filtered ☐
- Lab to Filter ☐

Samples Relinquished By	Date/Time	Samples Received By	Date/Time
E. R.	1-14-15 3:15 pm	K. Barker	1/14/15
Samples Relinquished By	Date/Time	Samples Received in LAB by	Date/Time
			1/15/15 12:00

Temperature on Receipt 4.3 °C

APPENDIX H

LABORATORY DELIVERABLES FOR GROUNDWATER ANALYTICAL DATA

Technical Report

prepared for:

Athenica Environmental Services, Inc.
45-09 Greenpoint Avenue
Long Island City NY, 11104
Attention: Michael Mandac

Report Date: 01/23/2015
Client Project ID: 14-133-1103 37-14 34th Street
York Project (SDG) No.: 15A0464

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: 01/23/2015
Client Project ID: 14-133-1103 37-14 34th Street
York Project (SDG) No.: 15A0464

Athenica Environmental Services, Inc.
45-09 Greenpoint Avenue
Long Island City NY, 11104
Attention: Michael Mandac

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 January 16, 2015 and listed below. The project was identified as your project: **14-133-1103 37-14 34th Street**.

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
15A0464-01	MW-1	Water	01/15/2015	01/16/2015
15A0464-02	MW-2	Water	01/15/2015	01/16/2015
15A0464-03	Trip Blank	Water	01/15/2015	01/16/2015
15A0464-04	Field Blank	Water	01/15/2015	01/16/2015

General Notes for York Project (SDG) No.: 15A0464

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:** 01/23/2015

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: **MW-1** **York Sample ID:** **15A0464-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0464	14-133-1103 37-14 34th Street	Water	January 15, 2015 3:00 pm	01/16/2015

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:00	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:00	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:00	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:00	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:00	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:00	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:00	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:00	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:00	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:00	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:00	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:00	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:00	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:00	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:00	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:00	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:00	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:00	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:00	SS
123-91-1	1,4-Dioxane	ND		ug/L	40	80	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:00	SS
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:00	SS
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:00	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:00	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:00	SS
67-64-1	**Acetone**	**2.6**	Cal-E, CCV-E, ICV-E, B	ug/L	1.0	2.0	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:00	SS
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:00	SS
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:00	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:00	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:00	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:00	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:00	SS
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:00	SS

Sample Information

Client Sample ID: **MW-1** **York Sample ID:** **15A0464-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0464	14-133-1103 37-14 34th Street	Water	January 15, 2015 3:00 pm	01/16/2015

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:00	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:00	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:00	SS
67-66-3	**Chloroform**	**1.5**		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:00	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:00	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:00	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:00	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:00	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:00	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:00	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:00	SS
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:00	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:00	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:00	SS
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:00	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:00	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:00	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:00	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:00	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:00	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:00	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:00	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:00	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:00	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:00	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:00	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:00	SS
127-18-4	**Tetrachloroethylene**	**13**		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:00	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:00	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:00	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:00	SS
79-01-6	**Trichloroethylene**	**5.0**		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:00	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:00	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:00	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:00	SS

Surrogate Recoveries	Result	Acceptance Range

Sample Information

Client Sample ID: **MW-1** **York Sample ID:** **15A0464-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0464	14-133-1103 37-14 34th Street	Water	January 15, 2015 3:00 pm	01/16/2015

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*109 %*			*69-130*						
460-00-4	*Surrogate: p-Bromofluorobenzene*	*100 %*			*79-122*						
2037-26-5	*Surrogate: Toluene-d8*	*107 %*			*81-117*						

Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	0.0526	0.0526	1	EPA 8270D	01/19/2015 07:20	01/19/2015 16:48	KH
208-96-8	Acenaphthylene	ND		ug/L	0.0526	0.0526	1	EPA 8270D	01/19/2015 07:20	01/19/2015 16:48	KH
98-86-2	Acetophenone	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:05	KH
62-53-3	Aniline	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:05	KH
120-12-7	Anthracene	ND		ug/L	0.0526	0.0526	1	EPA 8270D	01/19/2015 07:20	01/19/2015 16:48	KH
1912-24-9	Atrazine	ND		ug/L	0.526	0.526	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:05	KH
100-52-7	Benzaldehyde	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:05	KH
92-87-5	Benzidine	ND		ug/L	10.5	21.1	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:05	KH
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0526	0.0526	1	EPA 8270D	01/19/2015 07:20	01/19/2015 16:48	KH
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0526	0.0526	1	EPA 8270D	01/19/2015 07:20	01/19/2015 16:48	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0526	0.0526	1	EPA 8270D	01/19/2015 07:20	01/19/2015 16:48	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0526	0.0526	1	EPA 8270D	01/19/2015 07:20	01/19/2015 16:48	KH
65-85-0	Benzoic acid	ND		ug/L	26.3	52.6	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:05	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0526	0.0526	1	EPA 8270D	01/19/2015 07:20	01/19/2015 16:48	KH
100-51-6	Benzyl alcohol	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:05	KH
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:05	KH
92-52-4	1,1'-Biphenyl	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:05	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:05	KH
105-60-2	Caprolactam	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:05	KH
86-74-8	Carbazole	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:05	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:05	KH
106-47-8	4-Chloroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:05	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:05	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:05	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:05	KH
91-58-7	2-Chloronaphthalene	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:05	KH
95-57-8	2-Chlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:05	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:05	KH

Sample Information

Client Sample ID: **MW-1** **York Sample ID:** **15A0464-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0464	14-133-1103 37-14 34th Street	Water	January 15, 2015 3:00 pm	01/16/2015

Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
218-01-9	Chrysene	ND		ug/L	0.0526	0.0526	1	EPA 8270D	01/19/2015 07:20	01/19/2015 16:48	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0526	0.0526	1	EPA 8270D	01/19/2015 07:20	01/19/2015 16:48	KH
132-64-9	Dibenzofuran	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:05	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:05	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:05	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:05	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:05	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:05	KH
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:05	KH
84-66-2	Diethyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:05	KH
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:05	KH
131-11-3	Dimethyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:05	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:05	KH
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:05	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:05	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:05	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:05	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:05	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.526	0.526	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:05	KH
206-44-0	Fluoranthene	ND		ug/L	0.0526	0.0526	1	EPA 8270D	01/19/2015 07:20	01/19/2015 16:48	KH
86-73-7	Fluorene	ND		ug/L	0.0526	0.0526	1	EPA 8270D	01/19/2015 07:20	01/19/2015 16:48	KH
118-74-1	Hexachlorobenzene	ND		ug/L	0.0211	0.0211	1	EPA 8270D	01/19/2015 07:20	01/19/2015 16:48	KH
87-68-3	Hexachlorobutadiene	ND		ug/L	0.526	0.526	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:05	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:05	KH
67-72-1	Hexachloroethane	ND		ug/L	0.526	0.526	1	EPA 8270D	01/19/2015 07:20	01/19/2015 16:48	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0526	0.0526	1	EPA 8270D	01/19/2015 07:20	01/19/2015 16:48	KH
78-59-1	Isophorone	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:05	KH
91-57-6	2-Methylnaphthalene	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:05	KH
95-48-7	2-Methylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:05	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:05	KH
91-20-3	Naphthalene	ND		ug/L	0.0526	0.0526	1	EPA 8270D	01/19/2015 07:20	01/19/2015 16:48	KH
99-09-2	3-Nitroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:05	KH
100-01-6	4-Nitroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:05	KH
88-74-4	2-Nitroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:05	KH
98-95-3	Nitrobenzene	ND		ug/L	0.263	0.263	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:05	KH

Sample Information

Client Sample ID: **MW-1** **York Sample ID:** **15A0464-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0464	14-133-1103 37-14 34th Street	Water	January 15, 2015 3:00 pm	01/16/2015

Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-02-7	4-Nitrophenol	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:05	KH
88-75-5	2-Nitrophenol	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:05	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:05	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.526	0.526	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:05	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:05	KH
87-86-5	Pentachlorophenol	ND		ug/L	0.263	0.263	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:05	KH
85-01-8	Phenanthrene	ND		ug/L	0.0526	0.0526	1	EPA 8270D	01/19/2015 07:20	01/19/2015 16:48	KH
108-95-2	Phenol	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:05	KH
129-00-0	Pyrene	ND		ug/L	0.0526	0.0526	1	EPA 8270D	01/19/2015 07:20	01/19/2015 16:48	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:05	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:05	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:05	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:05	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:05	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*37.3 %*	*10-47*
4165-62-2	*Surrogate: Phenol-d5*	*26.0 %*	*10-37*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*51.6 %*	*10-109*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*51.1 %*	*10-97*
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*42.9 %*	*10-112*
1718-51-0	*Surrogate: Terphenyl-d14*	*49.5 %*	*10-137*

Pesticides, 8081 target list

Log-in Notes: **Sample Notes:**

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

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00410	0.00410	1	EPA 8081B	01/20/2015 08:00	01/20/2015 13:01	JW
72-55-9	4,4'-DDE	ND		ug/L	0.00410	0.00410	1	EPA 8081B	01/20/2015 08:00	01/20/2015 13:01	JW
50-29-3	4,4'-DDT	ND		ug/L	0.00410	0.00410	1	EPA 8081B	01/20/2015 08:00	01/20/2015 13:01	JW
309-00-2	Aldrin	ND		ug/L	0.00410	0.00410	1	EPA 8081B	01/20/2015 08:00	01/20/2015 13:01	JW
319-84-6	alpha-BHC	ND		ug/L	0.00410	0.00410	1	EPA 8081B	01/20/2015 08:00	01/20/2015 13:01	JW
319-85-7	beta-BHC	ND		ug/L	0.00410	0.00410	1	EPA 8081B	01/20/2015 08:00	01/20/2015 13:01	JW
57-74-9	Chlordane, total	ND		ug/L	0.0410	0.0410	1	EPA 8081B	01/20/2015 08:00	01/20/2015 13:01	JW
5103-74-2	gamma-Chlordane	ND		ug/L	0.0103	0.0103	1	EPA 8081B	01/20/2015 08:00	01/20/2015 13:01	JW
319-86-8	delta-BHC	ND		ug/L	0.00410	0.00410	1	EPA 8081B	01/20/2015 08:00	01/20/2015 13:01	JW
60-57-1	Dieldrin	ND		ug/L	0.00205	0.00205	1	EPA 8081B	01/20/2015 08:00	01/20/2015 13:01	JW
959-98-8	Endosulfan I	ND		ug/L	0.00410	0.00410	1	EPA 8081B	01/20/2015 08:00	01/20/2015 13:01	JW

Sample Information

Client Sample ID: **MW-1** **York Sample ID:** **15A0464-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0464	14-133-1103 37-14 34th Street	Water	January 15, 2015 3:00 pm	01/16/2015

Pesticides, 8081 target list

Log-in Notes: **Sample Notes:**

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

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
33213-65-9	Endosulfan II	ND		ug/L	0.00410	0.00410	1	EPA 8081B	01/20/2015 08:00	01/20/2015 13:01	JW
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00410	0.00410	1	EPA 8081B	01/20/2015 08:00	01/20/2015 13:01	JW
72-20-8	Endrin	ND		ug/L	0.00410	0.00410	1	EPA 8081B	01/20/2015 08:00	01/20/2015 13:01	JW
7421-93-4	Endrin aldehyde	ND		ug/L	0.0103	0.0103	1	EPA 8081B	01/20/2015 08:00	01/20/2015 13:01	JW
53494-70-5	Endrin ketone	ND		ug/L	0.0103	0.0103	1	EPA 8081B	01/20/2015 08:00	01/20/2015 13:01	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00410	0.00410	1	EPA 8081B	01/20/2015 08:00	01/20/2015 13:01	JW
76-44-8	Heptachlor	ND		ug/L	0.00410	0.00410	1	EPA 8081B	01/20/2015 08:00	01/20/2015 13:01	JW
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00410	0.00410	1	EPA 8081B	01/20/2015 08:00	01/20/2015 13:01	JW
5103-71-9	alpha-Chlordane	ND		ug/L	0.00410	0.00410	1	EPA 8081B	01/20/2015 08:00	01/20/2015 13:01	JW
72-43-5	Methoxychlor	ND		ug/L	0.00410	0.00410	1	EPA 8081B	01/20/2015 08:00	01/20/2015 13:01	JW
8001-35-2	Toxaphene	ND		ug/L	0.103	0.103	1	EPA 8081B	01/20/2015 08:00	01/20/2015 13:01	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*50.6 %*	*30-120*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*43.4 %*	*30-120*

Polychlorinated Biphenyls (PCB)

Log-in Notes: **Sample Notes:**

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

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0513	0.0513	1	EPA 8082A	01/20/2015 08:00	01/20/2015 15:36	AMC
11104-28-2	Aroclor 1221	ND		ug/L	0.0513	0.0513	1	EPA 8082A	01/20/2015 08:00	01/20/2015 15:36	AMC
11141-16-5	Aroclor 1232	ND		ug/L	0.0513	0.0513	1	EPA 8082A	01/20/2015 08:00	01/20/2015 15:36	AMC
53469-21-9	Aroclor 1242	ND		ug/L	0.0513	0.0513	1	EPA 8082A	01/20/2015 08:00	01/20/2015 15:36	AMC
12672-29-6	Aroclor 1248	ND		ug/L	0.0513	0.0513	1	EPA 8082A	01/20/2015 08:00	01/20/2015 15:36	AMC
11097-69-1	Aroclor 1254	ND		ug/L	0.0513	0.0513	1	EPA 8082A	01/20/2015 08:00	01/20/2015 15:36	AMC
11096-82-5	Aroclor 1260	ND		ug/L	0.0513	0.0513	1	EPA 8082A	01/20/2015 08:00	01/20/2015 15:36	AMC
1336-36-3	* Total PCBs	ND		ug/L	0.0513	0.0513	1	EPA 8082A	01/20/2015 08:00	01/20/2015 15:36	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*49.3 %*	*30-120*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*37.8 %*	*30-120*

Sample Information

Client Sample ID: **MW-1** **York Sample ID:** **15A0464-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0464	14-133-1103 37-14 34th Street	Water	January 15, 2015 3:00 pm	01/16/2015

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**47.5**		mg/L	0.010	0.010	1	EPA 6010C	01/19/2015 13:48	01/19/2015 21:06	MW
7440-36-0	Antimony	ND		mg/L	0.005	0.005	1	EPA 6010C	01/19/2015 13:48	01/19/2015 21:06	MW
7440-38-2	**Arsenic**	**0.008**		mg/L	0.004	0.004	1	EPA 6010C	01/19/2015 13:48	01/19/2015 21:06	MW
7440-39-3	**Barium**	**0.577**		mg/L	0.010	0.010	1	EPA 6010C	01/19/2015 13:48	01/19/2015 21:06	MW
7440-41-7	Beryllium	ND		mg/L	0.001	0.001	1	EPA 6010C	01/19/2015 13:48	01/19/2015 21:06	MW
7440-43-9	Cadmium	ND		mg/L	0.003	0.003	1	EPA 6010C	01/19/2015 13:48	01/19/2015 21:06	MW
7440-70-2	**Calcium**	**312**		mg/L	0.050	0.050	1	EPA 6010C	01/19/2015 13:48	01/19/2015 21:06	MW
7440-47-3	**Chromium**	**0.313**		mg/L	0.005	0.005	1	EPA 6010C	01/19/2015 13:48	01/19/2015 21:06	MW
7440-48-4	**Cobalt**	**0.065**		mg/L	0.005	0.005	1	EPA 6010C	01/19/2015 13:48	01/19/2015 21:06	MW
7440-50-8	**Copper**	**0.162**		mg/L	0.003	0.003	1	EPA 6010C	01/19/2015 13:48	01/19/2015 21:06	MW
7439-89-6	**Iron**	**82.2**		mg/L	0.020	0.020	1	EPA 6010C	01/19/2015 13:48	01/19/2015 21:06	MW
7439-92-1	**Lead**	**0.025**		mg/L	0.003	0.003	1	EPA 6010C	01/19/2015 13:48	01/19/2015 21:06	MW
7439-95-4	**Magnesium**	**147**		mg/L	0.050	0.050	1	EPA 6010C	01/19/2015 13:48	01/19/2015 21:06	MW
7439-96-5	**Manganese**	**2.37**		mg/L	0.005	0.005	1	EPA 6010C	01/19/2015 13:48	01/19/2015 21:06	MW
7440-02-0	**Nickel**	**0.148**		mg/L	0.005	0.005	1	EPA 6010C	01/19/2015 13:48	01/19/2015 21:06	MW
7440-09-7	**Potassium**	**19.8**		mg/L	0.050	0.050	1	EPA 6010C	01/19/2015 13:48	01/19/2015 21:06	MW
7782-49-2	**Selenium**	**0.012**		mg/L	0.010	0.010	1	EPA 6010C	01/19/2015 13:48	01/19/2015 21:06	MW
7440-22-4	Silver	ND		mg/L	0.005	0.005	1	EPA 6010C	01/19/2015 13:48	01/19/2015 21:06	MW
7440-23-5	**Sodium**	**139**		mg/L	0.100	0.100	1	EPA 6010C	01/19/2015 13:48	01/19/2015 21:06	MW
7440-28-0	Thallium	ND		mg/L	0.005	0.005	1	EPA 6010C	01/19/2015 13:48	01/19/2015 21:06	MW
7440-62-2	**Vanadium**	**0.115**		mg/L	0.010	0.010	1	EPA 6010C	01/19/2015 13:48	01/19/2015 21:06	MW
7440-66-6	**Zinc**	**0.281**		mg/L	0.010	0.010	1	EPA 6010C	01/19/2015 13:48	01/19/2015 21:06	MW

Metals, Target Analyte, Dissolved

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**0.012**		mg/L	0.010	0.010	1	EPA 6010C	01/19/2015 13:46	01/19/2015 19:11	MW
7440-36-0	Antimony	ND		mg/L	0.005	0.005	1	EPA 6010C	01/19/2015 13:46	01/19/2015 19:11	MW
7440-38-2	Arsenic	ND		mg/L	0.004	0.004	1	EPA 6010C	01/19/2015 13:46	01/19/2015 19:11	MW
7440-39-3	**Barium**	**0.080**		mg/L	0.010	0.010	1	EPA 6010C	01/19/2015 13:46	01/19/2015 19:11	MW
7440-41-7	Beryllium	ND		mg/L	0.001	0.001	1	EPA 6010C	01/19/2015 13:46	01/19/2015 19:11	MW
7440-43-9	Cadmium	ND		mg/L	0.003	0.003	1	EPA 6010C	01/19/2015 13:46	01/19/2015 19:11	MW
7440-70-2	**Calcium**	**89.1**		mg/L	0.050	0.050	1	EPA 6010C	01/19/2015 13:46	01/19/2015 19:11	MW
7440-47-3	**Chromium**	**0.168**		mg/L	0.005	0.005	1	EPA 6010C	01/19/2015 13:46	01/19/2015 19:11	MW
7440-48-4	Cobalt	ND		mg/L	0.005	0.005	1	EPA 6010C	01/19/2015 13:46	01/19/2015 19:11	MW
7440-50-8	Copper	ND		mg/L	0.003	0.003	1	EPA 6010C	01/19/2015 13:46	01/19/2015 19:11	MW
7439-89-6	Iron	ND		mg/L	0.020	0.020	1	EPA 6010C	01/19/2015 13:46	01/19/2015 19:11	MW

Sample Information

Client Sample ID: **MW-1** **York Sample ID:** **15A0464-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0464	14-133-1103 37-14 34th Street	Water	January 15, 2015 3:00 pm	01/16/2015

Metals, Target Analyte, Dissolved

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	ND		mg/L	0.003	0.003	1	EPA 6010C	01/19/2015 13:46	01/19/2015 19:11	MW
7439-95-4	**Magnesium**	**37.9**		mg/L	0.050	0.050	1	EPA 6010C	01/19/2015 13:46	01/19/2015 19:11	MW
7439-96-5	**Manganese**	**0.119**		mg/L	0.005	0.005	1	EPA 6010C	01/19/2015 13:46	01/19/2015 19:11	MW
7440-02-0	**Nickel**	**0.009**		mg/L	0.005	0.005	1	EPA 6010C	01/19/2015 13:46	01/19/2015 19:11	MW
7440-09-7	**Potassium**	**6.09**		mg/L	0.050	0.050	1	EPA 6010C	01/19/2015 13:46	01/19/2015 19:11	MW
7782-49-2	Selenium	ND		mg/L	0.010	0.010	1	EPA 6010C	01/19/2015 13:46	01/19/2015 19:11	MW
7440-22-4	Silver	ND		mg/L	0.005	0.005	1	EPA 6010C	01/19/2015 13:46	01/19/2015 19:11	MW
7440-23-5	**Sodium**	**129**		mg/L	0.100	0.100	1	EPA 6010C	01/19/2015 13:46	01/19/2015 19:11	MW
7440-28-0	Thallium	ND		mg/L	0.005	0.005	1	EPA 6010C	01/19/2015 13:46	01/19/2015 19:11	MW
7440-62-2	Vanadium	ND		mg/L	0.010	0.010	1	EPA 6010C	01/19/2015 13:46	01/19/2015 19:11	MW
7440-66-6	Zinc	ND		mg/L	0.010	0.010	1	EPA 6010C	01/19/2015 13:46	01/19/2015 19:11	MW

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00020	0.00020	1	EPA 7473	01/19/2015 11:02	01/19/2015 15:08	AA

Mercury by 7473, Dissolved

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00020	0.00020	1	EPA 7473	01/19/2015 11:02	01/19/2015 15:08	AA

Chromium, Hexavalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	**Chromium, Hexavalent**	**0.165**	HT-02	mg/L	0.0100	0.0100	1	EPA 7196A	01/23/2015 14:05	01/23/2015 14:34	KK

Chromium, Trivalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**0.148**		mg/L	0.00800	0.0100	1	Calculation	01/23/2015 15:57	01/23/2015 16:00	PAM

Sample Information

Client Sample ID: **MW-2** **York Sample ID:** **15A0464-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0464	14-133-1103 37-14 34th Street	Water	January 15, 2015 3:00 pm	01/16/2015

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:32	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:32	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:32	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:32	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:32	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:32	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:32	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:32	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:32	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:32	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:32	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:32	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:32	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:32	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:32	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:32	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:32	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:32	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:32	SS
123-91-1	1,4-Dioxane	ND		ug/L	40	80	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:32	SS
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:32	SS
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:32	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:32	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:32	SS
67-64-1	**Acetone**	**2.0**	Cal-E, CCV-E, ICV-E, J, B	ug/L	1.0	2.0	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:32	SS
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:32	SS
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:32	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:32	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:32	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:32	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:32	SS
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:32	SS

Sample Information

Client Sample ID: **MW-2** **York Sample ID:** **15A0464-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0464	14-133-1103 37-14 34th Street	Water	January 15, 2015 3:00 pm	01/16/2015

Volatile Organics, NJDEP/TCL/Part 375 List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:32	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:32	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:32	SS
67-66-3	**Chloroform**	**1.6**		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:32	SS
74-87-3	**Chloromethane**	**0.30**	CCV-E, J	ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:32	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:32	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:32	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:32	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:32	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:32	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:32	SS
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:32	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:32	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:32	SS
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:32	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:32	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:32	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:32	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:32	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:32	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:32	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:32	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:32	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:32	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:32	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:32	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:32	SS
127-18-4	**Tetrachloroethylene**	**6.4**		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:32	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:32	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:32	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:32	SS
79-01-6	**Trichloroethylene**	**2.5**		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:32	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:32	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:32	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	01/22/2015 16:29	01/23/2015 07:32	SS

Sample Information

Client Sample ID: **MW-2** **York Sample ID:** **15A0464-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0464	14-133-1103 37-14 34th Street	Water	January 15, 2015 3:00 pm	01/16/2015

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate Recoveries	**Result**		**Acceptance Range**							
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*109 %*		*69-130*							
460-00-4	*Surrogate: p-Bromofluorobenzene*	*96.1 %*		*79-122*							
2037-26-5	*Surrogate: Toluene-d8*	*106 %*		*81-117*							

Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	0.0526	0.0526	1	EPA 8270D	01/19/2015 07:20	01/19/2015 17:18	KH
208-96-8	Acenaphthylene	ND		ug/L	0.0526	0.0526	1	EPA 8270D	01/19/2015 07:20	01/19/2015 17:18	KH
98-86-2	Acetophenone	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:37	KH
62-53-3	Aniline	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:37	KH
120-12-7	Anthracene	ND		ug/L	0.0526	0.0526	1	EPA 8270D	01/19/2015 07:20	01/19/2015 17:18	KH
1912-24-9	Atrazine	ND		ug/L	0.526	0.526	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:37	KH
100-52-7	Benzaldehyde	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:37	KH
92-87-5	Benzidine	ND		ug/L	10.5	21.1	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:37	KH
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0526	0.0526	1	EPA 8270D	01/19/2015 07:20	01/19/2015 17:18	KH
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0526	0.0526	1	EPA 8270D	01/19/2015 07:20	01/19/2015 17:18	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0526	0.0526	1	EPA 8270D	01/19/2015 07:20	01/19/2015 17:18	KH
191-24-2	**Benzo(g,h,i)perylene**	**0.0632**		ug/L	0.0526	0.0526	1	EPA 8270D	01/19/2015 07:20	01/19/2015 17:18	KH
65-85-0	Benzoic acid	ND		ug/L	26.3	52.6	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:37	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0526	0.0526	1	EPA 8270D	01/19/2015 07:20	01/19/2015 17:18	KH
100-51-6	Benzyl alcohol	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:37	KH
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:37	KH
92-52-4	1,1'-Biphenyl	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:37	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:37	KH
105-60-2	Caprolactam	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:37	KH
86-74-8	Carbazole	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:37	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:37	KH
106-47-8	4-Chloroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:37	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:37	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:37	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:37	KH
91-58-7	2-Chloronaphthalene	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:37	KH
95-57-8	2-Chlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:37	KH

Sample Information

Client Sample ID: **MW-2** **York Sample ID:** **15A0464-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0464	14-133-1103 37-14 34th Street	Water	January 15, 2015 3:00 pm	01/16/2015

Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:37	KH
218-01-9	Chrysene	ND		ug/L	0.0526	0.0526	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:37	KH
53-70-3	**Dibenzo(a,h)anthracene**	**0.0842**		ug/L	0.0526	0.0526	1	EPA 8270D	01/19/2015 07:20	01/19/2015 17:18	KH
132-64-9	Dibenzofuran	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:37	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:37	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:37	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:37	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:37	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:37	KH
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:37	KH
84-66-2	Diethyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:37	KH
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:37	KH
131-11-3	Dimethyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:37	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:37	KH
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:37	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:37	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:37	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:37	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:37	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.526	0.526	1	EPA 8270D	01/19/2015 07:20	01/19/2015 17:18	KH
206-44-0	Fluoranthene	ND		ug/L	0.0526	0.0526	1	EPA 8270D	01/19/2015 07:20	01/19/2015 17:18	KH
86-73-7	Fluorene	ND		ug/L	0.0526	0.0526	1	EPA 8270D	01/19/2015 07:20	01/19/2015 17:18	KH
118-74-1	Hexachlorobenzene	ND		ug/L	0.0211	0.0211	1	EPA 8270D	01/19/2015 07:20	01/19/2015 17:18	KH
87-68-3	Hexachlorobutadiene	ND		ug/L	0.526	0.526	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:37	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:37	KH
67-72-1	Hexachloroethane	ND		ug/L	0.526	0.526	1	EPA 8270D	01/19/2015 07:20	01/19/2015 17:18	KH
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.0632**		ug/L	0.0526	0.0526	1	EPA 8270D	01/19/2015 07:20	01/19/2015 17:18	KH
78-59-1	Isophorone	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:37	KH
91-57-6	2-Methylnaphthalene	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:37	KH
95-48-7	2-Methylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:37	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:37	KH
91-20-3	Naphthalene	ND		ug/L	0.0526	0.0526	1	EPA 8270D	01/19/2015 07:20	01/19/2015 17:18	KH
99-09-2	3-Nitroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:37	KH
100-01-6	4-Nitroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:37	KH
88-74-4	2-Nitroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:37	KH

Sample Information

Client Sample ID: **MW-2** **York Sample ID:** **15A0464-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0464	14-133-1103 37-14 34th Street	Water	January 15, 2015 3:00 pm	01/16/2015

Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-95-3	Nitrobenzene	ND		ug/L	0.263	0.263	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:37	KH
100-02-7	4-Nitrophenol	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:37	KH
88-75-5	2-Nitrophenol	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:37	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:37	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.526	0.526	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:37	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:37	KH
87-86-5	Pentachlorophenol	ND		ug/L	0.263	0.263	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:37	KH
85-01-8	Phenanthrene	ND		ug/L	0.0526	0.0526	1	EPA 8270D	01/19/2015 07:20	01/19/2015 17:18	KH
108-95-2	Phenol	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:37	KH
129-00-0	**Pyrene**	**0.0842**		ug/L	0.0526	0.0526	1	EPA 8270D	01/19/2015 07:20	01/19/2015 17:18	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:37	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:37	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:37	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:37	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D	01/19/2015 07:20	01/20/2015 00:37	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*33.3 %*	*10-47*
4165-62-2	*Surrogate: Phenol-d5*	*28.1 %*	*10-37*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*52.6 %*	*10-109*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*51.6 %*	*10-97*
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*47.0 %*	*10-112*
1718-51-0	*Surrogate: Terphenyl-d14*	*57.0 %*	*10-137*

Pesticides, 8081 target list

Log-in Notes: **Sample Notes:**

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

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00421	0.00421	1	EPA 8081B	01/20/2015 08:00	01/20/2015 14:01	JW
72-55-9	4,4'-DDE	ND		ug/L	0.00421	0.00421	1	EPA 8081B	01/20/2015 08:00	01/20/2015 14:01	JW
50-29-3	4,4'-DDT	ND		ug/L	0.00421	0.00421	1	EPA 8081B	01/20/2015 08:00	01/20/2015 14:01	JW
309-00-2	Aldrin	ND		ug/L	0.00421	0.00421	1	EPA 8081B	01/20/2015 08:00	01/20/2015 14:01	JW
319-84-6	alpha-BHC	ND		ug/L	0.00421	0.00421	1	EPA 8081B	01/20/2015 08:00	01/20/2015 14:01	JW
319-85-7	beta-BHC	ND		ug/L	0.00421	0.00421	1	EPA 8081B	01/20/2015 08:00	01/20/2015 14:01	JW
57-74-9	Chlordane, total	ND		ug/L	0.0421	0.0421	1	EPA 8081B	01/20/2015 08:00	01/20/2015 14:01	JW
5103-74-2	gamma-Chlordane	ND		ug/L	0.0105	0.0105	1	EPA 8081B	01/20/2015 08:00	01/20/2015 14:01	JW
319-86-8	delta-BHC	ND		ug/L	0.00421	0.00421	1	EPA 8081B	01/20/2015 08:00	01/20/2015 14:01	JW
60-57-1	Dieldrin	ND		ug/L	0.00211	0.00211	1	EPA 8081B	01/20/2015 08:00	01/20/2015 14:01	JW

Sample Information

Client Sample ID: **MW-2** **York Sample ID:** **15A0464-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0464	14-133-1103 37-14 34th Street	Water	January 15, 2015 3:00 pm	01/16/2015

Pesticides, 8081 target list

Log-in Notes: **Sample Notes:**

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

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
959-98-8	Endosulfan I	ND		ug/L	0.00421	0.00421	1	EPA 8081B	01/20/2015 08:00	01/20/2015 14:01	JW
33213-65-9	Endosulfan II	ND		ug/L	0.00421	0.00421	1	EPA 8081B	01/20/2015 08:00	01/20/2015 14:01	JW
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00421	0.00421	1	EPA 8081B	01/20/2015 08:00	01/20/2015 14:01	JW
72-20-8	Endrin	ND		ug/L	0.00421	0.00421	1	EPA 8081B	01/20/2015 08:00	01/20/2015 14:01	JW
7421-93-4	Endrin aldehyde	ND		ug/L	0.0105	0.0105	1	EPA 8081B	01/20/2015 08:00	01/20/2015 14:01	JW
53494-70-5	Endrin ketone	ND		ug/L	0.0105	0.0105	1	EPA 8081B	01/20/2015 08:00	01/20/2015 14:01	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00421	0.00421	1	EPA 8081B	01/20/2015 08:00	01/20/2015 14:01	JW
76-44-8	Heptachlor	ND		ug/L	0.00421	0.00421	1	EPA 8081B	01/20/2015 08:00	01/20/2015 14:01	JW
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00421	0.00421	1	EPA 8081B	01/20/2015 08:00	01/20/2015 14:01	JW
5103-71-9	alpha-Chlordane	ND		ug/L	0.00421	0.00421	1	EPA 8081B	01/20/2015 08:00	01/20/2015 14:01	JW
72-43-5	Methoxychlor	ND		ug/L	0.00421	0.00421	1	EPA 8081B	01/20/2015 08:00	01/20/2015 14:01	JW
8001-35-2	Toxaphene	ND		ug/L	0.105	0.105	1	EPA 8081B	01/20/2015 08:00	01/20/2015 14:01	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*53.1 %*	*30-120*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*54.4 %*	*30-120*

Polychlorinated Biphenyls (PCB)

Log-in Notes: **Sample Notes:**

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

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0526	0.0526	1	EPA 8082A	01/20/2015 08:00	01/20/2015 15:55	AMC
11104-28-2	Aroclor 1221	ND		ug/L	0.0526	0.0526	1	EPA 8082A	01/20/2015 08:00	01/20/2015 15:55	AMC
11141-16-5	Aroclor 1232	ND		ug/L	0.0526	0.0526	1	EPA 8082A	01/20/2015 08:00	01/20/2015 15:55	AMC
53469-21-9	Aroclor 1242	ND		ug/L	0.0526	0.0526	1	EPA 8082A	01/20/2015 08:00	01/20/2015 15:55	AMC
12672-29-6	Aroclor 1248	ND		ug/L	0.0526	0.0526	1	EPA 8082A	01/20/2015 08:00	01/20/2015 15:55	AMC
11097-69-1	Aroclor 1254	ND		ug/L	0.0526	0.0526	1	EPA 8082A	01/20/2015 08:00	01/20/2015 15:55	AMC
11096-82-5	Aroclor 1260	ND		ug/L	0.0526	0.0526	1	EPA 8082A	01/20/2015 08:00	01/20/2015 15:55	AMC
1336-36-3	* Total PCBs	ND		ug/L	0.0526	0.0526	1	EPA 8082A	01/20/2015 08:00	01/20/2015 15:55	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*54.2 %*	*30-120*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*49.8 %*	*30-120*

Sample Information

Client Sample ID: **MW-2** **York Sample ID:** **15A0464-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0464	14-133-1103 37-14 34th Street	Water	January 15, 2015 3:00 pm	01/16/2015

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**63.7**		mg/L	0.010	0.010	1	EPA 6010C	01/19/2015 13:48	01/19/2015 21:11	MW
7440-36-0	Antimony	ND		mg/L	0.005	0.005	1	EPA 6010C	01/19/2015 13:48	01/19/2015 21:11	MW
7440-38-2	**Arsenic**	**0.016**		mg/L	0.004	0.004	1	EPA 6010C	01/19/2015 13:48	01/19/2015 21:11	MW
7440-39-3	**Barium**	**0.958**		mg/L	0.010	0.010	1	EPA 6010C	01/19/2015 13:48	01/19/2015 21:11	MW
7440-41-7	Beryllium	ND		mg/L	0.001	0.001	1	EPA 6010C	01/19/2015 13:48	01/19/2015 21:11	MW
7440-43-9	Cadmium	ND		mg/L	0.003	0.003	1	EPA 6010C	01/19/2015 13:48	01/19/2015 21:11	MW
7440-70-2	**Calcium**	**174**		mg/L	0.050	0.050	1	EPA 6010C	01/19/2015 13:48	01/19/2015 21:11	MW
7440-47-3	**Chromium**	**0.194**		mg/L	0.005	0.005	1	EPA 6010C	01/19/2015 13:48	01/19/2015 21:11	MW
7440-48-4	**Cobalt**	**0.200**		mg/L	0.005	0.005	1	EPA 6010C	01/19/2015 13:48	01/19/2015 21:11	MW
7440-50-8	**Copper**	**0.508**		mg/L	0.003	0.003	1	EPA 6010C	01/19/2015 13:48	01/19/2015 21:11	MW
7439-89-6	**Iron**	**186**		mg/L	0.020	0.020	1	EPA 6010C	01/19/2015 13:48	01/19/2015 21:11	MW
7439-92-1	**Lead**	**0.121**		mg/L	0.003	0.003	1	EPA 6010C	01/19/2015 13:48	01/19/2015 21:11	MW
7439-95-4	**Magnesium**	**118**		mg/L	0.050	0.050	1	EPA 6010C	01/19/2015 13:48	01/19/2015 21:11	MW
7439-96-5	**Manganese**	**9.50**		mg/L	0.005	0.005	1	EPA 6010C	01/19/2015 13:48	01/19/2015 21:11	MW
7440-02-0	**Nickel**	**0.380**		mg/L	0.005	0.005	1	EPA 6010C	01/19/2015 13:48	01/19/2015 21:11	MW
7440-09-7	**Potassium**	**18.7**		mg/L	0.050	0.050	1	EPA 6010C	01/19/2015 13:48	01/19/2015 21:11	MW
7782-49-2	**Selenium**	**0.036**		mg/L	0.010	0.010	1	EPA 6010C	01/19/2015 13:48	01/19/2015 21:11	MW
7440-22-4	Silver	ND		mg/L	0.005	0.005	1	EPA 6010C	01/19/2015 13:48	01/19/2015 21:11	MW
7440-23-5	**Sodium**	**112**		mg/L	0.100	0.100	1	EPA 6010C	01/19/2015 13:48	01/19/2015 21:11	MW
7440-28-0	Thallium	ND		mg/L	0.005	0.005	1	EPA 6010C	01/19/2015 13:48	01/19/2015 21:11	MW
7440-62-2	**Vanadium**	**0.174**		mg/L	0.010	0.010	1	EPA 6010C	01/19/2015 13:48	01/19/2015 21:11	MW
7440-66-6	**Zinc**	**0.685**		mg/L	0.010	0.010	1	EPA 6010C	01/19/2015 13:48	01/19/2015 21:11	MW

Metals, Target Analyte, Dissolved

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.010	0.010	1	EPA 6010C	01/19/2015 13:46	01/19/2015 19:16	MW
7440-36-0	Antimony	ND		mg/L	0.005	0.005	1	EPA 6010C	01/19/2015 13:46	01/19/2015 19:16	MW
7440-38-2	Arsenic	ND		mg/L	0.004	0.004	1	EPA 6010C	01/19/2015 13:46	01/19/2015 19:16	MW
7440-39-3	**Barium**	**0.045**		mg/L	0.010	0.010	1	EPA 6010C	01/19/2015 13:46	01/19/2015 19:16	MW
7440-41-7	Beryllium	ND		mg/L	0.001	0.001	1	EPA 6010C	01/19/2015 13:46	01/19/2015 19:16	MW
7440-43-9	Cadmium	ND		mg/L	0.003	0.003	1	EPA 6010C	01/19/2015 13:46	01/19/2015 19:16	MW
7440-70-2	**Calcium**	**67.4**		mg/L	0.050	0.050	1	EPA 6010C	01/19/2015 13:46	01/19/2015 19:16	MW
7440-47-3	Chromium	ND		mg/L	0.005	0.005	1	EPA 6010C	01/19/2015 13:46	01/19/2015 19:16	MW
7440-48-4	Cobalt	ND		mg/L	0.005	0.005	1	EPA 6010C	01/19/2015 13:46	01/19/2015 19:16	MW
7440-50-8	Copper	ND		mg/L	0.003	0.003	1	EPA 6010C	01/19/2015 13:46	01/19/2015 19:16	MW
7439-89-6	Iron	ND		mg/L	0.020	0.020	1	EPA 6010C	01/19/2015 13:46	01/19/2015 19:16	MW

Sample Information

Client Sample ID: **MW-2** **York Sample ID:** **15A0464-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0464	14-133-1103 37-14 34th Street	Water	January 15, 2015 3:00 pm	01/16/2015

Metals, Target Analyte, Dissolved

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	ND		mg/L	0.003	0.003	1	EPA 6010C	01/19/2015 13:46	01/19/2015 19:16	MW
7439-95-4	**Magnesium**	**24.8**		mg/L	0.050	0.050	1	EPA 6010C	01/19/2015 13:46	01/19/2015 19:16	MW
7439-96-5	**Manganese**	**0.256**		mg/L	0.005	0.005	1	EPA 6010C	01/19/2015 13:46	01/19/2015 19:16	MW
7440-02-0	Nickel	ND		mg/L	0.005	0.005	1	EPA 6010C	01/19/2015 13:46	01/19/2015 19:16	MW
7440-09-7	**Potassium**	**3.44**		mg/L	0.050	0.050	1	EPA 6010C	01/19/2015 13:46	01/19/2015 19:16	MW
7782-49-2	Selenium	ND		mg/L	0.010	0.010	1	EPA 6010C	01/19/2015 13:46	01/19/2015 19:16	MW
7440-22-4	Silver	ND		mg/L	0.005	0.005	1	EPA 6010C	01/19/2015 13:46	01/19/2015 19:16	MW
7440-23-5	**Sodium**	**105**		mg/L	0.100	0.100	1	EPA 6010C	01/19/2015 13:46	01/19/2015 19:16	MW
7440-28-0	Thallium	ND		mg/L	0.005	0.005	1	EPA 6010C	01/19/2015 13:46	01/19/2015 19:16	MW
7440-62-2	Vanadium	ND		mg/L	0.010	0.010	1	EPA 6010C	01/19/2015 13:46	01/19/2015 19:16	MW
7440-66-6	Zinc	ND		mg/L	0.010	0.010	1	EPA 6010C	01/19/2015 13:46	01/19/2015 19:16	MW

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00020	0.00020	1	EPA 7473	01/19/2015 11:02	01/19/2015 15:08	AA

Mercury by 7473, Dissolved

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00020	0.00020	1	EPA 7473	01/19/2015 11:02	01/19/2015 15:08	AA

Chromium, Hexavalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND	HT-02	mg/L	0.0100	0.0100	1	EPA 7196A	01/23/2015 14:05	01/23/2015 14:34	KK

Chromium, Trivalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**0.194**		mg/L	0.00800	0.0100	1	Calculation	01/23/2015 15:57	01/23/2015 16:00	PAM

Sample Information

Client Sample ID: **Trip Blank** **York Sample ID:** **15A0464-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0464	14-133-1103 37-14 34th Street	Water	January 15, 2015 3:00 pm	01/16/2015

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:04	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:04	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:04	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:04	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:04	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:04	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:04	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:04	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:04	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:04	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:04	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:04	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:04	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:04	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:04	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:04	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:04	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:04	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:04	SS
123-91-1	1,4-Dioxane	ND		ug/L	40	80	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:04	SS
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:04	SS
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:04	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:04	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:04	SS
67-64-1	**Acetone**	**1.9**	Cal-E, CCV-E, ICV-E, J, B	ug/L	1.0	2.0	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:04	SS
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:04	SS
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:04	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:04	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:04	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:04	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:04	SS
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:04	SS

Sample Information

Client Sample ID: **Trip Blank** **York Sample ID:** **15A0464-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0464	14-133-1103 37-14 34th Street	Water	January 15, 2015 3:00 pm	01/16/2015

Volatile Organics, NJDEP/TCL/Part 375 List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:04	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:04	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:04	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:04	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:04	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:04	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:04	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:04	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:04	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:04	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:04	SS
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:04	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:04	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:04	SS
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:04	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:04	SS
75-09-2	**Methylene chloride**	**2.5**		ug/L	1.0	2.0	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:04	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:04	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:04	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:04	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:04	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:04	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:04	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:04	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:04	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:04	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:04	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:04	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:04	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:04	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:04	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:04	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:04	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:04	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:04	SS

Surrogate Recoveries	Result	Acceptance Range

Sample Information

Client Sample ID: **Trip Blank** **York Sample ID:** **15A0464-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0464	14-133-1103 37-14 34th Street	Water	January 15, 2015 3:00 pm	01/16/2015

Volatile Organics, NJDEP/TCL/Part 375 List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*113 %*			*69-130*						
460-00-4	*Surrogate: p-Bromofluorobenzene*	*93.7 %*			*79-122*						
2037-26-5	*Surrogate: Toluene-d8*	*100 %*			*81-117*						

Sample Information

Client Sample ID: **Field Blank** **York Sample ID:** **15A0464-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0464	14-133-1103 37-14 34th Street	Water	January 15, 2015 3:00 pm	01/16/2015

Volatile Organics, NJDEP/TCL/Part 375 List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:37	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:37	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:37	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:37	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:37	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:37	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:37	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:37	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:37	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:37	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:37	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:37	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:37	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:37	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:37	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:37	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:37	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:37	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:37	SS
123-91-1	1,4-Dioxane	ND		ug/L	40	80	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:37	SS
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:37	SS
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:37	SS

Sample Information

Client Sample ID: **Field Blank** **York Sample ID:** **15A0464-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0464	14-133-1103 37-14 34th Street	Water	January 15, 2015 3:00 pm	01/16/2015

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:37	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:37	SS
67-64-1	**Acetone**	**2.0**	Cal-E, CCV-E, ICV-E, J, B	ug/L	1.0	2.0	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:37	SS
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:37	SS
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:37	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:37	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:37	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:37	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:37	SS
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:37	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:37	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:37	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:37	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:37	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:37	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:37	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:37	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:37	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:37	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:37	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:37	SS
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:37	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:37	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:37	SS
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:37	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:37	SS
75-09-2	**Methylene chloride**	**2.7**		ug/L	1.0	2.0	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:37	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:37	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:37	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:37	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:37	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:37	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:37	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:37	SS

Sample Information

Client Sample ID: **Field Blank** **York Sample ID:** **15A0464-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0464	14-133-1103 37-14 34th Street	Water	January 15, 2015 3:00 pm	01/16/2015

Volatile Organics, NJDEP/TCL/Part 375 List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:37	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:37	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:37	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:37	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:37	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:37	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:37	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:37	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:37	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:37	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	01/22/2015 16:29	01/23/2015 08:37	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*109 %*	*69-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*93.1 %*	*79-122*
2037-26-5	*Surrogate: Toluene-d8*	*97.8 %*	*81-117*

Analytical Batch Summary

Batch ID: BA50743 **Preparation Method:** EPA 3510C **Prepared By:** KAT

YORK Sample ID	Client Sample ID	Preparation Date
15A0464-01	MW-1	01/19/15
15A0464-02	MW-2	01/19/15
BA50743-BLK1	Blank	01/19/15
BA50743-BS1	LCS	01/19/15
BA50743-BS2	LCS	01/19/15
BA50743-BSD1	LCS Dup	01/19/15

Batch ID: BA50759 **Preparation Method:** EPA 7473 water **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
15A0464-01	MW-1	01/19/15
15A0464-02	MW-2	01/19/15
BA50759-BLK1	Blank	01/19/15
BA50759-SRM1	Reference	01/19/15

Batch ID: BA50771 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
15A0464-01	MW-1	01/19/15
15A0464-02	MW-2	01/19/15
BA50771-BLK1	Blank	01/19/15
BA50771-SRM1	Reference	01/19/15
BA50771-SRM2	Reference	01/19/15

Batch ID: BA50772 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
15A0464-01	MW-1	01/19/15
15A0464-02	MW-2	01/19/15
BA50772-BLK1	Blank	01/19/15
BA50772-SRM1	Reference	01/19/15
BA50772-SRM2	Reference	01/19/15

Batch ID: BA50817 **Preparation Method:** EPA SW846-3510C Low Level **Prepared By:** KAT

YORK Sample ID	Client Sample ID	Preparation Date
15A0464-01	MW-1	01/20/15
15A0464-01	MW-1	01/20/15
15A0464-02	MW-2	01/20/15
15A0464-02	MW-2	01/20/15
BA50817-BLK1	Blank	01/20/15
BA50817-BLK1	Blank	01/20/15
BA50817-BS1	LCS	01/20/15

BA50817-BS2	LCS	01/20/15
BA50817-BSD1	LCS Dup	01/20/15
BA50817-BSD2	LCS Dup	01/20/15

Batch ID: BA51005 **Preparation Method:** EPA 5030B **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
15A0464-01	MW-1	01/22/15
15A0464-02	MW-2	01/22/15
15A0464-03	Trip Blank	01/22/15
15A0464-04	Field Blank	01/22/15
BA51005-BLK1	Blank	01/22/15
BA51005-BS1	LCS	01/22/15
BA51005-BSD1	LCS Dup	01/22/15

Batch ID: BA51049 **Preparation Method:** Analysis Preparation **Prepared By:** KK

YORK Sample ID	Client Sample ID	Preparation Date
15A0464-01	MW-1	01/23/15
15A0464-02	MW-2	01/23/15
BA51049-BLK1	Blank	01/23/15
BA51049-BS1	LCS	01/23/15
BA51049-DUP1	Duplicate	01/23/15
BA51049-MS1	Matrix Spike	01/23/15

Batch ID: BA51059 **Preparation Method:** Analysis Preparation **Prepared By:** PAM

YORK Sample ID	Client Sample ID	Preparation Date
15A0464-01	MW-1	01/23/15
15A0464-02	MW-2	01/23/15

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA51005 - EPA 5030B											
Blank (BA51005-BLK1)											Prepared: 01/22/2015 Analyzed: 01/23/2015
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	0.49	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	80	"								
Cyclohexane	ND	0.50	"								
2-Butanone	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	1.1	2.0	"								
Acrolein	ND	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								

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 BA51005 - EPA 5030B											
Blank (BA51005-BLK1)								Prepared: 01/22/2015 Analyzed: 01/23/2015			
o-Xylene	ND	0.50	ug/L								
1,2,3-Trichlorobenzene	0.67	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	1.0	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: 1,2-Dichloroethane-d4	*11.0*		*"*	*10.0*		*110*	*69-130*				
Surrogate: p-Bromofluorobenzene	*9.23*		*"*	*10.0*		*92.3*	*79-122*				
Surrogate: Toluene-d8	*9.50*		*"*	*10.0*		*95.0*	*81-117*				
LCS (BA51005-BS1)								Prepared: 01/22/2015 Analyzed: 01/23/2015			
1,1,1,2-Tetrachloroethane	9.7		ug/L	10.0		96.9	82-126				
1,1,1-Trichloroethane	9.1		"	10.0		90.8	78-136				
1,1,2,2-Tetrachloroethane	11		"	10.0		106	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.2		"	10.0		81.6	54-165				
1,1,2-Trichloroethane	11		"	10.0		105	82-123				
1,1-Dichloroethane	9.2		"	10.0		91.9	82-129				
1,1-Dichloroethylene	8.9		"	10.0		89.2	68-138				
Bromochloromethane	9.6		"	10.0		95.7	77-128				
1,2,3-Trichloropropane	9.4		"	10.0		94.0	77-128				
1,2,4-Trichlorobenzene	10		"	10.0		101	76-137				
1,2,4-Trimethylbenzene	9.5		"	10.0		95.0	82-132				
1,2-Dibromo-3-chloropropane	11		"	10.0		109	45-147				
1,2-Dibromoethane	11		"	10.0		106	83-124				
1,2-Dichlorobenzene	10		"	10.0		102	79-123				
1,2-Dichloroethane	9.0		"	10.0		90.3	73-132				
1,2-Dichloropropane	10		"	10.0		101	78-126				
1,3,5-Trimethylbenzene	9.3		"	10.0		92.8	80-131				
1,3-Dichlorobenzene	9.6		"	10.0		96.4	86-122				
1,4-Dichlorobenzene	9.3		"	10.0		93.1	85-124				
1,4-Dioxane	320		"	200		158	10-349				
Cyclohexane	8.9		"	10.0		88.9	63-149				
2-Butanone	10		"	10.0		104	49-152				
2-Hexanone	11		"	10.0		108	51-146				
4-Methyl-2-pentanone	10		"	10.0		103	57-145				
Acetone	7.7		"	10.0		76.8	14-150				
Acrolein	19		"	10.0		188	10-153	High Bias			
Acrylonitrile	9.7		"	10.0		96.8	51-150				
Benzene	8.6		"	10.0		86.4	85-126				
Bromodichloromethane	10		"	10.0		103	79-128				
Bromoform	11		"	10.0		109	78-133				
Bromomethane	7.2		"	10.0		71.6	43-168				

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 BA51005 - EPA 5030B											
LCS (BA51005-BS1)							Prepared: 01/22/2015 Analyzed: 01/23/2015				
Carbon disulfide	8.9		ug/L	10.0		89.1	68-146				
Carbon tetrachloride	9.1		"	10.0		91.2	77-141				
Chlorobenzene	10		"	10.0		103	88-120				
Chloroethane	9.2		"	10.0		91.8	65-136				
Chloroform	9.2		"	10.0		92.2	82-128				
Chloromethane	7.6		"	10.0		76.0	43-155				
cis-1,2-Dichloroethylene	9.1		"	10.0		91.4	83-129				
cis-1,3-Dichloropropylene	11		"	10.0		108	80-131				
Dibromochloromethane	11		"	10.0		106	80-130				
Dibromomethane	10		"	10.0		101	72-134				
Dichlorodifluoromethane	7.3		"	10.0		73.0	44-144				
Ethyl Benzene	9.7		"	10.0		96.9	80-131				
Methylcyclohexane	9.3		"	10.0		93.1	72-143				
Hexachlorobutadiene	9.4		"	10.0		93.6	67-146				
Isopropylbenzene	9.6		"	10.0		96.2	76-140				
Methyl acetate	7.1		"	10.0		70.9	51-139				
Methyl tert-butyl ether (MTBE)	8.8		"	10.0		88.5	76-135				
Methylene chloride	9.0		"	10.0		89.5	55-137				
n-Butylbenzene	9.9		"	10.0		99.3	79-132				
n-Propylbenzene	9.6		"	10.0		96.4	78-133				
o-Xylene	10		"	10.0		103	78-130				
1,2,3-Trichlorobenzene	11		"	10.0		109	76-136				
p- & m- Xylenes	19		"	20.0		96.4	77-133				
p-Isopropyltoluene	9.7		"	10.0		96.6	81-136				
sec-Butylbenzene	9.6		"	10.0		96.0	79-137				
Styrene	11		"	10.0		105	67-132				
tert-Butyl alcohol (TBA)	11		"	10.0		106	25-162				
tert-Butylbenzene	10		"	10.0		102	77-138				
Tetrachloroethylene	9.8		"	10.0		98.2	82-131				
Toluene	9.7		"	10.0		96.6	80-127				
trans-1,2-Dichloroethylene	8.8		"	10.0		88.1	80-132				
trans-1,3-Dichloropropylene	10		"	10.0		100	78-131				
Trichloroethylene	9.6		"	10.0		96.0	82-128				
Trichlorofluoromethane	8.4		"	10.0		84.5	67-139				
Vinyl Chloride	8.4		"	10.0		83.6	58-145				
Surrogate: 1,2-Dichloroethane-d4	*10.2*		*"*	*10.0*		*102*	*69-130*				
Surrogate: p-Bromofluorobenzene	*10.0*		*"*	*10.0*		*100*	*79-122*				
Surrogate: Toluene-d8	*9.92*		*"*	*10.0*		*99.2*	*81-117*				

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 BA51005 - EPA 5030B											
LCS Dup (BA51005-BSD1)								Prepared: 01/22/2015 Analyzed: 01/23/2015			
1,1,1,2-Tetrachloroethane	10		ug/L	10.0		99.5	82-126		2.65	30	
1,1,1-Trichloroethane	8.6		"	10.0		85.6	78-136		5.90	30	
1,1,2,2-Tetrachloroethane	10		"	10.0		104	76-129		2.38	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	7.4		"	10.0		73.6	54-165		10.3	30	
1,1,2-Trichloroethane	9.9		"	10.0		99.2	82-123		5.97	30	
1,1-Dichloroethane	8.4		"	10.0		84.1	82-129		8.86	30	
1,1-Dichloroethylene	8.2		"	10.0		81.8	68-138		8.65	30	
Bromochloromethane	9.0		"	10.0		89.5	77-128		6.70	30	
1,2,3-Trichloropropane	9.5		"	10.0		95.0	77-128		1.06	30	
1,2,4-Trichlorobenzene	11		"	10.0		107	76-137		5.94	30	
1,2,4-Trimethylbenzene	10		"	10.0		103	82-132		7.89	30	
1,2-Dibromo-3-chloropropane	10		"	10.0		101	45-147		7.32	30	
1,2-Dibromoethane	10		"	10.0		100	83-124		4.95	30	
1,2-Dichlorobenzene	10		"	10.0		105	79-123		2.51	30	
1,2-Dichloroethane	8.7		"	10.0		86.8	73-132		3.95	30	
1,2-Dichloropropane	9.7		"	10.0		97.3	78-126		3.43	30	
1,3,5-Trimethylbenzene	10		"	10.0		104	80-131		11.0	30	
1,3-Dichlorobenzene	10		"	10.0		104	86-122		7.78	30	
1,4-Dichlorobenzene	9.9		"	10.0		99.0	85-124		6.14	30	
1,4-Dioxane	320		"	200		160	10-349		1.02	30	
Cyclohexane	7.8		"	10.0		78.0	63-149		13.1	30	
2-Butanone	9.6		"	10.0		95.9	49-152		8.01	30	
2-Hexanone	9.6		"	10.0		96.3	51-146		11.3	30	
4-Methyl-2-pentanone	9.2		"	10.0		92.1	57-145		11.4	30	
Acetone	7.8		"	10.0		77.8	14-150		1.29	30	
Acrolein	16		"	10.0		159	10-153	High Bias	16.8	30	
Acrylonitrile	9.3		"	10.0		92.7	51-150		4.33	30	
Benzene	8.7		"	10.0		86.6	85-126		0.231	30	
Bromodichloromethane	9.8		"	10.0		97.9	79-128		5.08	30	
Bromoform	11		"	10.0		110	78-133		1.19	30	
Bromomethane	7.2		"	10.0		72.3	43-168		0.973	30	
Carbon disulfide	8.4		"	10.0		83.9	68-146		6.01	30	
Carbon tetrachloride	8.6		"	10.0		85.5	77-141		6.45	30	
Chlorobenzene	9.8		"	10.0		97.9	88-120		5.46	30	
Chloroethane	7.4		"	10.0		73.9	65-136		21.6	30	
Chloroform	8.8		"	10.0		88.4	82-128		4.21	30	
Chloromethane	6.7		"	10.0		67.2	43-155		12.3	30	
cis-1,2-Dichloroethylene	8.9		"	10.0		89.2	83-129		2.44	30	
cis-1,3-Dichloropropylene	10		"	10.0		102	80-131		5.92	30	
Dibromochloromethane	9.7		"	10.0		97.3	80-130		8.75	30	
Dibromomethane	9.8		"	10.0		97.9	72-134		3.31	30	
Dichlorodifluoromethane	6.4		"	10.0		64.3	44-144		12.7	30	
Ethyl Benzene	9.6		"	10.0		96.4	80-131		0.517	30	
Methylcyclohexane	9.4		"	10.0		93.9	72-143		0.856	30	
Hexachlorobutadiene	10		"	10.0		100	67-146		6.81	30	
Isopropylbenzene	10		"	10.0		104	76-140		7.41	30	
Methyl acetate	6.7		"	10.0		67.3	51-139		5.21	30	
Methyl tert-butyl ether (MTBE)	8.9		"	10.0		88.9	76-135		0.451	30	
Methylene chloride	8.8		"	10.0		88.3	55-137		1.35	30	
n-Butylbenzene	10		"	10.0		100	79-132		1.10	30	
n-Propylbenzene	10		"	10.0		102	78-133		5.65	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 BA51005 - EPA 5030B											
LCS Dup (BA51005-BSD1)								Prepared: 01/22/2015 Analyzed: 01/23/2015			
o-Xylene	9.7		ug/L	10.0		97.2	78-130		5.60	30	
1,2,3-Trichlorobenzene	10		"	10.0		102	76-136		6.52	30	
p- & m- Xylenes	20		"	20.0		98.8	77-133		2.36	30	
p-Isopropyltoluene	10		"	10.0		102	81-136		5.44	30	
sec-Butylbenzene	11		"	10.0		107	79-137		10.5	30	
Styrene	10		"	10.0		101	67-132		4.56	30	
tert-Butyl alcohol (TBA)	10		"	10.0		101	25-162		4.53	30	
tert-Butylbenzene	11		"	10.0		107	77-138		5.26	30	
Tetrachloroethylene	9.6		"	10.0		96.0	82-131		2.27	30	
Toluene	9.3		"	10.0		92.7	80-127		4.12	30	
trans-1,2-Dichloroethylene	8.6		"	10.0		85.8	80-132		2.65	30	
trans-1,3-Dichloropropylene	9.9		"	10.0		98.8	78-131		1.71	30	
Trichloroethylene	9.5		"	10.0		95.0	82-128		1.05	30	
Trichlorofluoromethane	8.0		"	10.0		80.0	67-139		5.47	30	
Vinyl Chloride	7.7		"	10.0		77.2	58-145		7.96	30	
Surrogate: 1,2-Dichloroethane-d4	*9.61*		*"*	*10.0*		*96.1*	*69-130*				
Surrogate: p-Bromofluorobenzene	*10.0*		*"*	*10.0*		*100*	*79-122*				
Surrogate: Toluene-d8	*10.0*		*"*	*10.0*		*100*	*81-117*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA50743 - EPA 3510C											
Blank (BA50743-BLK1)								Prepared & Analyzed: 01/19/2015			
Acenaphthene	ND	0.0500	ug/L								
Acenaphthylene	ND	0.0500	"								
Acetophenone	ND	5.00	"								
Aniline	ND	5.00	"								
Anthracene	ND	0.0500	"								
Atrazine	ND	0.500	"								
Benzaldehyde	ND	5.00	"								
Benzidine	ND	20.0	"								
Benzo(a)anthracene	ND	0.0500	"								
Benzo(a)pyrene	ND	0.0500	"								
Benzo(b)fluoranthene	ND	0.0500	"								
Benzo(g,h,i)perylene	ND	0.0500	"								
Benzoic acid	ND	50.0	"								
Benzo(k)fluoranthene	ND	0.0500	"								
Benzyl alcohol	ND	5.00	"								
Benzyl butyl phthalate	ND	5.00	"								
1,1'-Biphenyl	ND	5.00	"								
4-Bromophenyl phenyl ether	ND	5.00	"								
Caprolactam	ND	5.00	"								
Carbazole	ND	5.00	"								
4-Chloro-3-methylphenol	ND	5.00	"								
4-Chloroaniline	ND	5.00	"								
Bis(2-chloroethoxy)methane	ND	5.00	"								
Bis(2-chloroethyl)ether	ND	5.00	"								
Bis(2-chloroisopropyl)ether	ND	5.00	"								
2-Chloronaphthalene	ND	5.00	"								
2-Chlorophenol	ND	5.00	"								
4-Chlorophenyl phenyl ether	ND	5.00	"								
Chrysene	ND	0.0500	"								
Dibenzo(a,h)anthracene	ND	0.0500	"								
Dibenzofuran	ND	5.00	"								
Di-n-butyl phthalate	ND	5.00	"								
1,4-Dichlorobenzene	ND	5.00	"								
1,2-Dichlorobenzene	ND	5.00	"								
1,3-Dichlorobenzene	ND	5.00	"								
3,3'-Dichlorobenzidine	ND	5.00	"								
2,4-Dichlorophenol	ND	5.00	"								
Diethyl phthalate	ND	5.00	"								
2,4-Dimethylphenol	ND	5.00	"								
Dimethyl phthalate	ND	5.00	"								
4,6-Dinitro-2-methylphenol	ND	5.00	"								
2,4-Dinitrophenol	ND	5.00	"								
2,4-Dinitrotoluene	ND	5.00	"								
2,6-Dinitrotoluene	ND	5.00	"								
Di-n-octyl phthalate	ND	5.00	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"								
Bis(2-ethylhexyl)phthalate	ND	0.500	"								
Fluoranthene	ND	0.0500	"								
Fluorene	ND	0.0500	"								
Hexachlorobenzene	ND	0.0200	"								
Hexachlorobutadiene	ND	0.500	"								

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 BA50743 - EPA 3510C											
Blank (BA50743-BLK1)								Prepared & Analyzed: 01/19/2015			
Hexachlorocyclopentadiene	ND	5.00	ug/L								
Hexachloroethane	ND	0.500	"								
Indeno(1,2,3-cd)pyrene	ND	0.0500	"								
Isophorone	ND	5.00	"								
2-Methylnaphthalene	ND	5.00	"								
2-Methylphenol	ND	5.00	"								
3- & 4-Methylphenols	ND	5.00	"								
Naphthalene	ND	0.0500	"								
3-Nitroaniline	ND	5.00	"								
4-Nitroaniline	ND	5.00	"								
2-Nitroaniline	ND	5.00	"								
Nitrobenzene	ND	0.250	"								
4-Nitrophenol	ND	5.00	"								
2-Nitrophenol	ND	5.00	"								
N-nitroso-di-n-propylamine	ND	5.00	"								
N-Nitrosodimethylamine	ND	0.500	"								
N-Nitrosodiphenylamine	ND	5.00	"								
Pentachlorophenol	ND	0.250	"								
Phenanthrene	ND	0.0500	"								
Phenol	ND	5.00	"								
Pyrene	ND	0.0500	"								
1,2,4,5-Tetrachlorobenzene	ND	5.00	"								
2,3,4,6-Tetrachlorophenol	ND	5.00	"								
1,2,4-Trichlorobenzene	ND	5.00	"								
2,4,6-Trichlorophenol	ND	5.00	"								
2,4,5-Trichlorophenol	ND	5.00	"								
Surrogate: 2-Fluorophenol	*29.1*		*"*	*75.0*		*38.8*	*10-47*				
Surrogate: Phenol-d5	*19.8*		*"*	*75.2*		*26.3*	*10-37*				
Surrogate: Nitrobenzene-d5	*26.4*		*"*	*50.0*		*52.8*	*10-109*				
Surrogate: 2-Fluorobiphenyl	*25.8*		*"*	*50.2*		*51.5*	*10-97*				
Surrogate: 2,4,6-Tribromophenol	*32.8*		*"*	*75.0*		*43.7*	*10-112*				
Surrogate: Terphenyl-d14	*27.0*		*"*	*50.0*		*54.0*	*10-137*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA50743 - EPA 3510C											
LCS (BA50743-BS1)							Prepared & Analyzed: 01/19/2015				
Acenaphthene	28.8	0.0500	ug/L	50.0		57.6	24-114				
Acenaphthylene	27.6	0.0500	"	50.0		55.1	26-112				
Acetophenone	24.1	5.00	"	50.0		48.2	47-92				
Aniline	33.1	5.00	"	50.0		66.2	10-107				
Anthracene	26.5	0.0500	"	50.0		53.0	35-114				
Atrazine	28.2	0.500	"	50.0		56.3	43-101				
Benzaldehyde	29.3	5.00	"	50.0		58.6	17-117				
Benzo(a)anthracene	30.4	0.0500	"	50.0		60.8	38-127				
Benzo(a)pyrene	30.5	0.0500	"	50.0		60.9	30-146				
Benzo(b)fluoranthene	34.2	0.0500	"	50.0		68.4	36-145				
Benzo(g,h,i)perylene	38.4	0.0500	"	50.0		76.8	10-163				
Benzoic acid	ND	50.0	"	50.0			30-130	Low Bias			
Benzo(k)fluoranthene	28.3	0.0500	"	50.0		56.5	16-149				
Benzyl alcohol	32.4	5.00	"	50.0		64.9	18-75				
Benzyl butyl phthalate	33.2	5.00	"	50.0		66.3	28-129				
1,1'-Biphenyl	27.3	5.00	"	50.0		54.5	21-102				
4-Bromophenyl phenyl ether	25.0	5.00	"	50.0		50.1	38-116				
Caprolactam	11.4	5.00	"	50.0		22.8	10-29				
Carbazole	28.6	5.00	"	50.0		57.3	49-116				
4-Chloro-3-methylphenol	32.3	5.00	"	50.0		64.5	28-101				
4-Chloroaniline	33.2	5.00	"	50.0		66.4	10-154				
Bis(2-chloroethoxy)methane	24.1	5.00	"	50.0		48.1	27-112				
Bis(2-chloroethyl)ether	28.3	5.00	"	50.0		56.6	24-114				
Bis(2-chloroisopropyl)ether	24.9	5.00	"	50.0		49.9	21-124				
2-Chloronaphthalene	26.1	5.00	"	50.0		52.1	40-96				
2-Chlorophenol	30.4	5.00	"	50.0		60.8	35-84				
4-Chlorophenyl phenyl ether	27.2	5.00	"	50.0		54.5	34-112				
Chrysene	30.6	0.0500	"	50.0		61.1	33-120				
Dibenzo(a,h)anthracene	35.3	0.0500	"	50.0		70.7	10-149				
Dibenzofuran	27.9	5.00	"	50.0		55.8	42-105				
Di-n-butyl phthalate	27.0	5.00	"	50.0		53.9	36-110				
1,4-Dichlorobenzene	24.4	5.00	"	50.0		48.7	42-82				
1,2-Dichlorobenzene	25.3	5.00	"	50.0		50.6	42-85				
1,3-Dichlorobenzene	25.0	5.00	"	50.0		50.1	45-80				
3,3'-Dichlorobenzidine	35.4	5.00	"	50.0		70.7	25-155				
2,4-Dichlorophenol	28.1	5.00	"	50.0		56.2	43-92				
Diethyl phthalate	30.9	5.00	"	50.0		61.8	38-112				
2,4-Dimethylphenol	26.5	5.00	"	50.0		52.9	25-92				
Dimethyl phthalate	33.0	5.00	"	50.0		66.0	49-106				
4,6-Dinitro-2-methylphenol	ND	5.00	"	50.0			10-135	Low Bias			
2,4-Dinitrophenol	25.6	5.00	"	50.0		51.1	10-149				
2,4-Dinitrotoluene	34.8	5.00	"	50.0		69.5	41-114				
2,6-Dinitrotoluene	30.8	5.00	"	50.0		61.7	49-106				
Di-n-octyl phthalate	34.5	5.00	"	50.0		69.1	12-149				
1,2-Diphenylhydrazine (as Azobenzene)	28.5	5.00	"	50.0		57.0	16-137				
Bis(2-ethylhexyl)phthalate	34.2	0.500	"	50.0		68.5	10-171				
Fluoranthene	26.9	0.0500	"	50.0		53.9	33-126				
Fluorene	28.1	0.0500	"	50.0		56.3	28-117				
Hexachlorobenzene	29.7	0.0200	"	50.0		59.4	27-120				
Hexachlorobutadiene	22.3	0.500	"	50.0		44.5	25-106				
Hexachlorocyclopentadiene	17.2	5.00	"	50.0		34.5	10-99				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA50743 - EPA 3510C											
LCS (BA50743-BS1)							Prepared & Analyzed: 01/19/2015				
Hexachloroethane	24.1	0.500	ug/L	50.0		48.2	33-84				
Indeno(1,2,3-cd)pyrene	35.5	0.0500	"	50.0		71.0	10-150				
Isophorone	26.8	5.00	"	50.0		53.6	29-115				
2-Methylnaphthalene	25.4	5.00	"	50.0		50.9	33-101				
2-Methylphenol	26.8	5.00	"	50.0		53.7	10-90				
3- & 4-Methylphenols	24.6	5.00	"	50.0		49.3	10-101				
Naphthalene	23.7	0.0500	"	50.0		47.3	30-99				
3-Nitroaniline	37.6	5.00	"	50.0		75.2	29-128				
4-Nitroaniline	39.7	5.00	"	50.0		79.4	15-143				
2-Nitroaniline	35.7	5.00	"	50.0		71.4	31-122				
Nitrobenzene	24.3	0.250	"	50.0		48.7	32-113				
4-Nitrophenol	19.9	5.00	"	50.0		39.7	10-112				
2-Nitrophenol	25.8	5.00	"	50.0		51.7	37-97				
N-nitroso-di-n-propylamine	27.3	5.00	"	50.0		54.5	36-118				
N-Nitrosodimethylamine	21.1	0.500	"	50.0		42.2	10-63				
N-Nitrosodiphenylamine	31.8	5.00	"	50.0		63.5	27-145				
Pentachlorophenol	27.7	0.250	"	50.0		55.3	19-127				
Phenanthrene	27.3	0.0500	"	50.0		54.5	31-112				
Phenol	14.6	5.00	"	50.0		29.3	10-37				
Pyrene	32.8	0.0500	"	50.0		65.6	42-125				
1,2,4,5-Tetrachlorobenzene	23.0	5.00	"	50.0		46.0	28-105				
2,3,4,6-Tetrachlorophenol	70.6	5.00	"	50.0		141	30-130	High Bias			
1,2,4-Trichlorobenzene	23.1	5.00	"	50.0		46.3	35-91				
2,4,6-Trichlorophenol	36.0	5.00	"	50.0		71.9	41-107				
2,4,5-Trichlorophenol	32.0	5.00	"	50.0		64.1	36-112				
Surrogate: 2-Fluorophenol	*35.1*		*"*	*75.0*		*46.8*	*10-47*				
Surrogate: Phenol-d5	*22.0*		*"*	*75.2*		*29.3*	*10-37*				
Surrogate: Nitrobenzene-d5	*25.3*		*"*	*50.0*		*50.6*	*10-109*				
Surrogate: 2-Fluorobiphenyl	*25.0*		*"*	*50.2*		*49.7*	*10-97*				
Surrogate: 2,4,6-Tribromophenol	*32.4*		*"*	*75.0*		*43.2*	*10-112*				
Surrogate: Terphenyl-d14	*28.8*		*"*	*50.0*		*57.6*	*10-137*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA50743 - EPA 3510C											
LCS (BA50743-BS2)							Prepared & Analyzed: 01/19/2015				
Acenaphthene	0.600	0.0500	ug/L	5.00		12.0	24-114	Low Bias			
Acenaphthylene	0.770	0.0500	"	5.00		15.4	26-112	Low Bias			
Acetophenone	ND	5.00	"				47-92				
Aniline	ND	5.00	"				10-107				
Anthracene	0.840	0.0500	"	5.00		16.8	35-114	Low Bias			
Atrazine	ND	0.500	"				43-101				
Benzaldehyde	ND	5.00	"				17-117				
Benzo(a)anthracene	0.740	0.0500	"	5.00		14.8	38-127	Low Bias			
Benzo(a)pyrene	0.820	0.0500	"	5.00		16.4	30-146	Low Bias			
Benzo(b)fluoranthene	0.520	0.0500	"	5.00		10.4	36-145	Low Bias			
Benzo(g,h,i)perylene	0.840	0.0500	"	5.00		16.8	10-163				
Benzoic acid	ND	50.0	"				30-130				
Benzo(k)fluoranthene	0.770	0.0500	"	5.00		15.4	16-149	Low Bias			
Benzyl alcohol	ND	5.00	"				18-75				
Benzyl butyl phthalate	ND	5.00	"				28-129				
1,1'-Biphenyl	ND	5.00	"				21-102				
4-Bromophenyl phenyl ether	ND	5.00	"				38-116				
Caprolactam	ND	5.00	"				10-29				
Carbazole	ND	5.00	"				49-116				
4-Chloro-3-methylphenol	ND	5.00	"				28-101				
4-Chloroaniline	ND	5.00	"				10-154				
Bis(2-chloroethoxy)methane	ND	5.00	"				27-112				
Bis(2-chloroethyl)ether	ND	5.00	"				24-114				
Bis(2-chloroisopropyl)ether	ND	5.00	"				21-124				
2-Chloronaphthalene	ND	5.00	"				40-96				
2-Chlorophenol	ND	5.00	"				35-84				
4-Chlorophenyl phenyl ether	ND	5.00	"				34-112				
Chrysene	0.800	0.0500	"	5.00		16.0	33-120	Low Bias			
Dibenzo(a,h)anthracene	0.870	0.0500	"	5.00		17.4	10-149				
Dibenzofuran	ND	5.00	"				42-105				
Di-n-butyl phthalate	ND	5.00	"				36-110				
1,4-Dichlorobenzene	ND	5.00	"				42-82				
1,2-Dichlorobenzene	ND	5.00	"				42-85				
1,3-Dichlorobenzene	ND	5.00	"				45-80				
3,3'-Dichlorobenzidine	ND	5.00	"				25-155				
2,4-Dichlorophenol	ND	5.00	"				43-92				
Diethyl phthalate	ND	5.00	"				38-112				
2,4-Dimethylphenol	ND	5.00	"				25-92				
Dimethyl phthalate	ND	5.00	"				49-106				
4,6-Dinitro-2-methylphenol	ND	5.00	"				10-135				
2,4-Dinitrophenol	ND	5.00	"				10-149				
2,4-Dinitrotoluene	ND	5.00	"				41-114				
2,6-Dinitrotoluene	ND	5.00	"				49-106				
Di-n-octyl phthalate	ND	5.00	"				12-149				
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"				16-137				
Bis(2-ethylhexyl)phthalate	ND	0.500	"				10-171				
Fluoranthene	0.850	0.0500	"	5.00		17.0	33-126	Low Bias			
Fluorene	0.680	0.0500	"	5.00		13.6	28-117	Low Bias			
Hexachlorobenzene	ND	0.0200	"				27-120				
Hexachlorobutadiene	ND	0.500	"				25-106				
Hexachlorocyclopentadiene	ND	5.00	"				10-99				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA50743 - EPA 3510C											
LCS (BA50743-BS2)							Prepared & Analyzed: 01/19/2015				
Hexachloroethane	ND	0.500	ug/L				33-84				
Indeno(1,2,3-cd)pyrene	0.850	0.0500	"	5.00		17.0	10-150				
Isophorone	ND	5.00	"				29-115				
2-Methylnaphthalene	ND	5.00	"				33-101				
2-Methylphenol	ND	5.00	"				10-90				
3- & 4-Methylphenols	ND	5.00	"				10-101				
Naphthalene	0.560	0.0500	"	5.00		11.2	30-99	Low Bias			
3-Nitroaniline	ND	5.00	"				29-128				
4-Nitroaniline	ND	5.00	"				15-143				
2-Nitroaniline	ND	5.00	"				31-122				
Nitrobenzene	ND	0.250	"				32-113				
4-Nitrophenol	ND	5.00	"				10-112				
2-Nitrophenol	ND	5.00	"				37-97				
N-nitroso-di-n-propylamine	ND	5.00	"				36-118				
N-Nitrosodimethylamine	ND	0.500	"				10-63				
N-Nitrosodiphenylamine	ND	5.00	"				27-145				
Pentachlorophenol	ND	0.250	"				19-127				
Phenanthrene	0.760	0.0500	"	5.00		15.2	31-112	Low Bias			
Phenol	ND	5.00	"				10-37				
Pyrene	0.830	0.0500	"	5.00		16.6	42-125	Low Bias			
1,2,4,5-Tetrachlorobenzene	ND	5.00	"				28-105				
2,3,4,6-Tetrachlorophenol	ND	5.00	"				30-130				
1,2,4-Trichlorobenzene	ND	5.00	"				35-91				
2,4,6-Trichlorophenol	ND	5.00	"				41-107				
2,4,5-Trichlorophenol	ND	5.00	"				36-112				
Surrogate: 2-Fluorophenol	*0.00*		*"*	*75.0*			*10-47*				
Surrogate: Phenol-d5	*0.00*		*"*	*75.2*			*10-37*				
Surrogate: Nitrobenzene-d5	*0.00*		*"*	*50.0*			*10-109*				
Surrogate: 2-Fluorobiphenyl	*0.00*		*"*	*50.2*			*10-97*				
Surrogate: 2,4,6-Tribromophenol	*0.00*		*"*	*75.0*			*10-112*				
Surrogate: Terphenyl-d14	*0.00*		*"*	*50.0*			*10-137*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA50743 - EPA 3510C											
LCS Dup (BA50743-BSD1)								Prepared & Analyzed: 01/19/2015			
Acenaphthene	30.2	0.0500	ug/L	50.0		60.4	24-114		4.75	20	
Acenaphthylene	29.4	0.0500	"	50.0		58.7	26-112		6.39	20	
Acetophenone	25.4	5.00	"	50.0		50.8	47-92		5.26	20	
Aniline	35.5	5.00	"	50.0		71.0	10-107		7.02	20	
Anthracene	29.3	0.0500	"	50.0		58.6	35-114		9.96	20	
Atrazine	31.7	0.500	"	50.0		63.4	43-101		11.9	20	
Benzaldehyde	31.4	5.00	"	50.0		62.8	17-117		6.88	20	
Benzo(a)anthracene	33.2	0.0500	"	50.0		66.5	38-127		8.86	20	
Benzo(a)pyrene	34.7	0.0500	"	50.0		69.3	30-146		12.9	20	
Benzo(b)fluoranthene	33.5	0.0500	"	50.0		67.0	36-145		2.10	20	
Benzo(g,h,i)perylene	40.9	0.0500	"	50.0		81.8	10-163		6.28	20	
Benzoic acid	ND	50.0	"	50.0			30-130	Low Bias		20	
Benzo(k)fluoranthene	33.3	0.0500	"	50.0		66.6	16-149		16.3	20	
Benzyl alcohol	35.6	5.00	"	50.0		71.1	18-75		9.12	20	
Benzyl butyl phthalate	36.4	5.00	"	50.0		72.8	28-129		9.29	20	
1,1'-Biphenyl	28.2	5.00	"	50.0		56.4	21-102		3.43	20	
4-Bromophenyl phenyl ether	27.0	5.00	"	50.0		54.1	38-116		7.60	20	
Caprolactam	13.5	5.00	"	50.0		27.0	10-29		17.1	20	
Carbazole	31.9	5.00	"	50.0		63.8	49-116		10.8	20	
4-Chloro-3-methylphenol	35.0	5.00	"	50.0		69.9	28-101		8.00	20	
4-Chloroaniline	36.0	5.00	"	50.0		72.0	10-154		8.15	20	
Bis(2-chloroethoxy)methane	25.6	5.00	"	50.0		51.2	27-112		6.24	20	
Bis(2-chloroethyl)ether	30.6	5.00	"	50.0		61.2	24-114		7.95	20	
Bis(2-chloroisopropyl)ether	26.5	5.00	"	50.0		53.0	21-124		6.03	20	
2-Chloronaphthalene	28.6	5.00	"	50.0		57.1	40-96		9.15	20	
2-Chlorophenol	33.4	5.00	"	50.0		66.9	35-84		9.56	20	
4-Chlorophenyl phenyl ether	28.5	5.00	"	50.0		57.0	34-112		4.63	20	
Chrysene	33.4	0.0500	"	50.0		66.8	33-120		8.79	20	
Dibenzo(a,h)anthracene	38.6	0.0500	"	50.0		77.3	10-149		8.90	20	
Dibenzofuran	30.0	5.00	"	50.0		59.9	42-105		7.12	20	
Di-n-butyl phthalate	29.3	5.00	"	50.0		58.5	36-110		8.25	20	
1,4-Dichlorobenzene	25.7	5.00	"	50.0		51.5	42-82		5.51	20	
1,2-Dichlorobenzene	27.0	5.00	"	50.0		54.1	42-85		6.69	20	
1,3-Dichlorobenzene	27.4	5.00	"	50.0		54.8	45-80		9.04	20	
3,3'-Dichlorobenzidine	38.0	5.00	"	50.0		76.0	25-155		7.17	20	
2,4-Dichlorophenol	30.2	5.00	"	50.0		60.3	43-92		7.00	20	
Diethyl phthalate	34.1	5.00	"	50.0		68.2	38-112		9.78	20	
2,4-Dimethylphenol	28.6	5.00	"	50.0		57.3	25-92		7.88	20	
Dimethyl phthalate	36.7	5.00	"	50.0		73.4	49-106		10.7	20	
4,6-Dinitro-2-methylphenol	27.2	5.00	"	50.0		54.4	10-135		177	20	Non-dir.
2,4-Dinitrophenol	27.1	5.00	"	50.0		54.2	10-149		5.92	20	
2,4-Dinitrotoluene	39.2	5.00	"	50.0		78.3	41-114		11.9	20	
2,6-Dinitrotoluene	34.8	5.00	"	50.0		69.7	49-106		12.2	20	
Di-n-octyl phthalate	37.6	5.00	"	50.0		75.2	12-149		8.57	20	
1,2-Diphenylhydrazine (as Azobenzene)	30.4	5.00	"	50.0		60.7	16-137		6.36	20	
Bis(2-ethylhexyl)phthalate	37.9	0.500	"	50.0		75.7	10-171		10.0	20	
Fluoranthene	29.2	0.0500	"	50.0		58.4	33-126		8.09	20	
Fluorene	30.7	0.0500	"	50.0		61.4	28-117		8.77	20	
Hexachlorobenzene	33.0	0.0200	"	50.0		66.1	27-120		10.6	20	
Hexachlorobutadiene	23.2	0.500	"	50.0		46.5	25-106		4.26	20	
Hexachlorocyclopentadiene	18.5	5.00	"	50.0		36.9	10-99		6.83	20	

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA50743 - EPA 3510C											
LCS Dup (BA50743-BSD1)							Prepared & Analyzed: 01/19/2015				
Hexachloroethane	25.5	0.500	ug/L	50.0		51.1	33-84		5.80	20	
Indeno(1,2,3-cd)pyrene	38.0	0.0500	"	50.0		76.0	10-150		6.88	20	
Isophorone	28.9	5.00	"	50.0		57.8	29-115		7.54	20	
2-Methylnaphthalene	26.3	5.00	"	50.0		52.6	33-101		3.44	20	
2-Methylphenol	29.0	5.00	"	50.0		58.1	10-90		7.84	20	
3- & 4-Methylphenols	25.9	5.00	"	50.0		51.8	10-101		4.98	20	
Naphthalene	25.1	0.0500	"	50.0		50.2	30-99		5.95	20	
3-Nitroaniline	44.9	5.00	"	50.0		89.7	29-128		17.6	20	
4-Nitroaniline	43.9	5.00	"	50.0		87.8	15-143		9.95	20	
2-Nitroaniline	39.8	5.00	"	50.0		79.6	31-122		10.8	20	
Nitrobenzene	26.1	0.250	"	50.0		52.1	32-113		6.83	20	
4-Nitrophenol	33.5	5.00	"	50.0		67.0	10-112		51.1	20	Non-dir.
2-Nitrophenol	28.2	5.00	"	50.0		56.4	37-97		8.66	20	
N-nitroso-di-n-propylamine	29.1	5.00	"	50.0		58.2	36-118		6.60	20	
N-Nitrosodimethylamine	25.6	0.500	"	50.0		51.2	10-63		19.3	20	
N-Nitrosodiphenylamine	37.1	5.00	"	50.0		74.2	27-145		15.5	20	
Pentachlorophenol	31.3	0.250	"	50.0		62.6	19-127		12.2	20	
Phenanthrene	29.9	0.0500	"	50.0		59.8	31-112		9.20	20	
Phenol	16.0	5.00	"	50.0		32.0	10-37		8.93	20	
Pyrene	35.5	0.0500	"	50.0		71.0	42-125		7.85	20	
1,2,4,5-Tetrachlorobenzene	23.9	5.00	"	50.0		47.8	28-105		3.80	20	
2,3,4,6-Tetrachlorophenol	78.7	5.00	"	50.0		157	30-130	High Bias	10.9	20	
1,2,4-Trichlorobenzene	24.7	5.00	"	50.0		49.5	35-91		6.69	20	
2,4,6-Trichlorophenol	33.3	5.00	"	50.0		66.5	41-107		7.80	20	
2,4,5-Trichlorophenol	34.6	5.00	"	50.0		69.2	36-112		7.71	20	
Surrogate: 2-Fluorophenol	*37.9*		*"*	*75.0*		*50.5*	*10-47*				
Surrogate: Phenol-d5	*23.8*		*"*	*75.2*		*31.7*	*10-37*				
Surrogate: Nitrobenzene-d5	*27.8*		*"*	*50.0*		*55.5*	*10-109*				
Surrogate: 2-Fluorobiphenyl	*26.6*		*"*	*50.2*		*53.0*	*10-97*				
Surrogate: 2,4,6-Tribromophenol	*34.2*		*"*	*75.0*		*45.7*	*10-112*				
Surrogate: Terphenyl-d14	*30.8*		*"*	*50.0*		*61.7*	*10-137*				

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 BA50817 - EPA SW846-3510C Low Level											
Blank (BA50817-BLK1)								Prepared & Analyzed: 01/20/2015			
4,4'-DDD	ND	0.00400	ug/L								
4,4'-DDE	ND	0.00400	"								
4,4'-DDT	ND	0.00400	"								
Aldrin	ND	0.00400	"								
alpha-BHC	ND	0.00400	"								
beta-BHC	ND	0.00400	"								
Chlordane, total	ND	0.0400	"								
gamma-Chlordane	ND	0.0100	"								
delta-BHC	ND	0.00400	"								
Dieldrin	ND	0.00200	"								
Endosulfan I	ND	0.00400	"								
Endosulfan II	ND	0.00400	"								
Endosulfan sulfate	ND	0.00400	"								
Endrin	ND	0.00400	"								
Endrin aldehyde	ND	0.0100	"								
Endrin ketone	ND	0.0100	"								
gamma-BHC (Lindane)	ND	0.00400	"								
Heptachlor	ND	0.00400	"								
Heptachlor epoxide	ND	0.00400	"								
alpha-Chlordane	ND	0.00400	"								
Methoxychlor	ND	0.00400	"								
Toxaphene	ND	0.100	"								
Surrogate: Tetrachloro-m-xylene	*0.123*		*"*	*0.203*		*60.8*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.151*		*"*	*0.201*		*75.1*	*30-120*				
LCS (BA50817-BS1)								Prepared & Analyzed: 01/20/2015			
4,4'-DDD	0.0769	0.00400	ug/L	0.100		76.9	40-120				
4,4'-DDE	0.0722	0.00400	"	0.100		72.2	40-120				
4,4'-DDT	0.0746	0.00400	"	0.100		74.6	40-120				
Aldrin	0.0642	0.00400	"	0.100		64.2	40-120				
alpha-BHC	0.0681	0.00400	"	0.100		68.1	40-120				
beta-BHC	0.0755	0.00400	"	0.100		75.5	40-120				
gamma-Chlordane	0.0682	0.0100	"	0.100		68.2	40-120				
delta-BHC	0.0700	0.00400	"	0.100		70.0	40-120				
Dieldrin	0.0697	0.00200	"	0.100		69.7	40-120				
Endosulfan I	0.0724	0.00400	"	0.100		72.4	40-120				
Endosulfan II	0.0711	0.00400	"	0.100		71.1	40-120				
Endosulfan sulfate	0.0711	0.00400	"	0.100		71.1	40-120				
Endrin	0.0748	0.00400	"	0.100		74.8	40-120				
Endrin aldehyde	0.0725	0.0100	"	0.100		72.5	40-120				
Endrin ketone	0.0821	0.0100	"	0.100		82.1	40-120				
gamma-BHC (Lindane)	0.0685	0.00400	"	0.100		68.5	40-120				
Heptachlor	0.0575	0.00400	"	0.100		57.5	40-120				
Heptachlor epoxide	0.0651	0.00400	"	0.100		65.1	40-120				
alpha-Chlordane	0.0673	0.00400	"	0.100		67.3	40-120				
Methoxychlor	0.0694	0.00400	"	0.100		69.4	40-120				
Surrogate: Tetrachloro-m-xylene	*0.115*		*"*	*0.203*		*56.6*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.158*		*"*	*0.201*		*78.8*	*30-120*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA50817 - EPA SW846-3510C Low Level											
LCS Dup (BA50817-BSD1)								Prepared & Analyzed: 01/20/2015			
4,4'-DDD	0.0708	0.00400	ug/L	0.100		70.8	40-120		8.33	30	
4,4'-DDE	0.0666	0.00400	"	0.100		66.6	40-120		8.12	30	
4,4'-DDT	0.0703	0.00400	"	0.100		70.3	40-120		5.98	30	
Aldrin	0.0580	0.00400	"	0.100		58.0	40-120		10.1	30	
alpha-BHC	0.0616	0.00400	"	0.100		61.6	40-120		10.0	30	
beta-BHC	0.0677	0.00400	"	0.100		67.7	40-120		11.0	30	
gamma-Chlordane	0.0620	0.0100	"	0.100		62.0	40-120		9.45	30	
delta-BHC	0.0637	0.00400	"	0.100		63.7	40-120		9.54	30	
Dieldrin	0.0633	0.00200	"	0.100		63.3	40-120		9.68	30	
Endosulfan I	0.0656	0.00400	"	0.100		65.6	40-120		9.91	30	
Endosulfan II	0.0652	0.00400	"	0.100		65.2	40-120		8.63	30	
Endosulfan sulfate	0.0662	0.00400	"	0.100		66.2	40-120		7.14	30	
Endrin	0.0688	0.00400	"	0.100		68.8	40-120		8.29	30	
Endrin aldehyde	0.0676	0.0100	"	0.100		67.6	40-120		7.04	30	
Endrin ketone	0.0776	0.0100	"	0.100		77.6	40-120		5.63	30	
gamma-BHC (Lindane)	0.0619	0.00400	"	0.100		61.9	40-120		10.1	30	
Heptachlor	0.0529	0.00400	"	0.100		52.9	40-120		8.41	30	
Heptachlor epoxide	0.0590	0.00400	"	0.100		59.0	40-120		9.78	30	
alpha-Chlordane	0.0610	0.00400	"	0.100		61.0	40-120		9.90	30	
Methoxychlor	0.0655	0.00400	"	0.100		65.5	40-120		5.78	30	
Surrogate: Tetrachloro-m-xylene	*0.106*		*"*	*0.203*		*52.3*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.148*		*"*	*0.201*		*73.6*	*30-120*				

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 BA50817 - EPA SW846-3510C Low Level											
Blank (BA50817-BLK1)								Prepared & Analyzed: 01/20/2015			
Aroclor 1016	ND	0.0500	ug/L								
Aroclor 1221	ND	0.0500	"								
Aroclor 1232	ND	0.0500	"								
Aroclor 1242	ND	0.0500	"								
Aroclor 1248	ND	0.0500	"								
Aroclor 1254	ND	0.0500	"								
Aroclor 1260	ND	0.0500	"								
Total PCBs	ND	0.0500	"								
Surrogate: Tetrachloro-m-xylene	*0.121*		*"*	*0.203*		*59.6*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.116*		*"*	*0.201*		*57.7*	*30-120*				
LCS (BA50817-BS2)								Prepared & Analyzed: 01/20/2015			
Aroclor 1016	0.762	0.0500	ug/L	1.00		76.2	40-120				
Aroclor 1260	0.719	0.0500	"	1.00		71.9	40-120				
Surrogate: Tetrachloro-m-xylene	*0.134*		*"*	*0.203*		*66.0*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.115*		*"*	*0.201*		*57.2*	*30-120*				
LCS Dup (BA50817-BSD2)								Prepared & Analyzed: 01/20/2015			
Aroclor 1016	0.751	0.0500	ug/L	1.00		75.1	40-120		1.45	30	
Aroclor 1260	0.714	0.0500	"	1.00		71.4	40-120		0.698	30	
Surrogate: Tetrachloro-m-xylene	*0.177*		*"*	*0.203*		*87.2*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.153*		*"*	*0.201*		*76.1*	*30-120*				

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 BA50771 - EPA 3010A											
Blank (BA50771-BLK1)								Prepared & Analyzed: 01/19/2015			
Aluminum - Dissolved	ND	0.010	mg/L								
Antimony - Dissolved	ND	0.005	"								
Arsenic - Dissolved	ND	0.004	"								
Barium - Dissolved	ND	0.010	"								
Beryllium - Dissolved	ND	0.001	"								
Cadmium - Dissolved	ND	0.003	"								
Calcium - Dissolved	ND	0.050	"								
Chromium - Dissolved	ND	0.005	"								
Cobalt - Dissolved	ND	0.005	"								
Copper - Dissolved	ND	0.003	"								
Iron - Dissolved	ND	0.020	"								
Lead - Dissolved	ND	0.003	"								
Magnesium - Dissolved	ND	0.050	"								
Manganese - Dissolved	ND	0.005	"								
Nickel - Dissolved	ND	0.005	"								
Potassium - Dissolved	ND	0.050	"								
Selenium - Dissolved	ND	0.010	"								
Silver - Dissolved	ND	0.005	"								
Sodium - Dissolved	ND	0.100	"								
Thallium - Dissolved	ND	0.005	"								
Vanadium - Dissolved	ND	0.010	"								
Zinc - Dissolved	ND	0.010	"								
Reference (BA50771-SRM1)								Prepared & Analyzed: 01/19/2015			
Aluminum - Dissolved	1.77	0.010	mg/L	1.80		98.3	82.8-115				
Antimony - Dissolved	0.393	0.005	"	0.415		94.7	79.8-117				
Arsenic - Dissolved	0.619	0.004	"	0.681		90.8	84.4-114				
Barium - Dissolved	0.518	0.010	"	0.487		106	85-115				
Beryllium - Dissolved	0.273	0.001	"	0.277		98.6	84.8-115				
Cadmium - Dissolved	0.289	0.003	"	0.293		98.6	85-115				
Chromium - Dissolved	0.119	0.005	"	0.123		97.1	85.4-115				
Cobalt - Dissolved	0.510	0.005	"	0.485		105	84.9-115				
Copper - Dissolved	0.382	0.003	"	0.378		101	84.9-115				
Iron - Dissolved	1.34	0.020	"	1.32		102	84.8-115				
Lead - Dissolved	0.371	0.003	"	0.362		103	85.1-115				
Manganese - Dissolved	0.330	0.005	"	0.308		107	85.1-115				
Nickel - Dissolved	0.510	0.005	"	0.526		96.9	87.3-114				
Selenium - Dissolved	0.333	0.010	"	0.364		91.5	84.9-115				
Silver - Dissolved	0.207	0.005	"	0.215		96.4	85.1-115				
Thallium - Dissolved	0.629	0.005	"	0.606		104	82.3-116				
Vanadium - Dissolved	0.769	0.010	"	0.784		98.1	84.9-115				
Zinc - Dissolved	0.705	0.010	"	0.715		98.6	85-115				

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 BA50771 - EPA 3010A											
Reference (BA50771-SRM2)							Prepared & Analyzed: 01/19/2015				
Calcium - Dissolved	45.0	0.050	mg/L	44.2		102	86-114				
Magnesium - Dissolved	92.6	0.050	"	90.7		102	86-114				
Potassium - Dissolved	60.2	0.050	"	60.9		98.8	84.9-115				
Sodium - Dissolved	74.6	0.100	"	73.8		101	85-115				
Batch BA50772 - EPA 3010A											
Blank (BA50772-BLK1)							Prepared & Analyzed: 01/19/2015				
Aluminum	ND	0.010	mg/L								
Antimony	ND	0.005	"								
Arsenic	ND	0.004	"								
Barium	ND	0.010	"								
Beryllium	ND	0.001	"								
Cadmium	ND	0.003	"								
Calcium	ND	0.050	"								
Chromium	ND	0.005	"								
Cobalt	ND	0.005	"								
Copper	ND	0.003	"								
Iron	ND	0.020	"								
Lead	ND	0.003	"								
Magnesium	ND	0.050	"								
Manganese	ND	0.005	"								
Nickel	ND	0.005	"								
Potassium	ND	0.050	"								
Selenium	ND	0.010	"								
Silver	ND	0.005	"								
Sodium	ND	0.100	"								
Thallium	ND	0.005	"								
Vanadium	ND	0.010	"								
Zinc	ND	0.010	"								

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 BA50772 - EPA 3010A											
Reference (BA50772-SRM1)							Prepared & Analyzed: 01/19/2015				
Aluminum	1.80	0.010	mg/L	1.80		100	82.8-115				
Antimony	0.391	0.005	"	0.415		94.3	79.8-117				
Arsenic	0.619	0.004	"	0.681		90.9	84.4-114				
Barium	0.519	0.010	"	0.487		107	85-115				
Beryllium	0.274	0.001	"	0.277		98.8	84.8-115				
Cadmium	0.291	0.003	"	0.293		99.2	85-115				
Chromium	0.119	0.005	"	0.123		97.1	85.4-115				
Cobalt	0.510	0.005	"	0.485		105	84.9-115				
Copper	0.379	0.003	"	0.378		100	84.9-115				
Iron	1.36	0.020	"	1.32		103	84.8-115				
Lead	0.371	0.003	"	0.362		103	85.1-115				
Manganese	0.330	0.005	"	0.308		107	85.1-115				
Nickel	0.508	0.005	"	0.526		96.5	87.3-114				
Selenium	0.331	0.010	"	0.364		90.9	84.9-115				
Silver	0.206	0.005	"	0.215		96.0	85.1-115				
Thallium	0.624	0.005	"	0.606		103	82.3-116				
Vanadium	0.768	0.010	"	0.784		97.9	84.9-115				
Zinc	0.714	0.010	"	0.715		99.8	85-115				
Reference (BA50772-SRM2)							Prepared & Analyzed: 01/19/2015				
Calcium	44.6	0.050	mg/L	44.2		101	86-114				
Magnesium	90.8	0.050	"	90.7		100	86-114				
Potassium	62.0	0.050	"	60.9		102	84.9-115				
Sodium	74.5	0.100	"	73.8		101	85-115				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA50759 - EPA 7473 water											
Blank (BA50759-BLK1)								Prepared & Analyzed: 01/19/2015			
Mercury - Dissolved	ND	0.00020	mg/L								
Mercury	ND	0.00020	"								
Reference (BA50759-SRM1)								Prepared & Analyzed: 01/19/2015			
Mercury - Dissolved	0.0028476		mg/L	0.00230		124	61.3-135				
Mercury	0.00285		mg/kg	0.00230		124	61.3-135				

Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA51049 - Analysis Preparation											
Blank (BA51049-BLK1)								Prepared & Analyzed: 01/23/2015			
Chromium, Hexavalent	ND	0.0100	mg/L								
LCS (BA51049-BS1)								Prepared & Analyzed: 01/23/2015			
Chromium, Hexavalent	0.538	0.0100	mg/L	0.500		108	80-120				
Duplicate (BA51049-DUP1)	*Source sample: 15A0464-02 (MW-2)							Prepared & Analyzed: 01/23/2015			
Chromium, Hexavalent	ND	0.0100	mg/L		ND					20	
Matrix Spike (BA51049-MS1)	*Source sample: 15A0464-02 (MW-2)							Prepared & Analyzed: 01/23/2015			
Chromium, Hexavalent	0.529	0.0100	mg/L	0.500	ND	106	75-125				

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
15A0464-01	MW-1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
15A0464-02	MW-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
15A0464-03	Trip Blank	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
15A0464-04	Field Blank	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Notes and Definitions

S-08	The recovery of this surrogate was outside of QC limits.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
M-ACCB	Analyte in CCB. Run is bracketed by acceptable CCBs.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
ICV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 30% of expected value).
HT-02	NON-COMPLIANT-This sample was received outside the EPA recommended holding time.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Cal-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20% AND correlation coefficient <0.990 for linear or quadratic fit).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <10x the blank value as artifact.

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*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two.
For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

YORK ANALYTICAL LABORATORIES
120 RESEARCH DR.
STRATFORD, CT 06615
(203) 325-1371
FAX (203) 357-0166

Field Chain-of-Custody Record

NOTE: York's Std. Terms & Conditions are listed on the back side of this document. This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions.

York Project No. 15A0464

YOUR Information		Report to:		Invoice To:		Your Project ID	Turn-Around Time		Report/Deliverable Type	
Company:	Athenica Environmental	SAME	X	SAME	X	14-133-1103	RUSH-Same Day		Summary Report	X
Address:	45-09 Greenpoint Avenue	Name:		Name:		37-14 34th Street	RUSH-Next Day		QA Report	X
	Long Island City, NY 11104	Company:		Company:		Purchase Order #	RUSH-Two Day		CT RCP	
Phone.:	718-784-7490	Address:		Address:			RUSH-Three Day		CT RCP DQA/DUE Pkg	
Contact:	Michael Mandac						RUSH-Four Day		NY ASP A Package	
E-mail:	mmandac@athenica.com	E-mail:		E-mail		Samples from CT (NY) NJ	Standard (5-7day)	X	NY ASP B Package	
									NJDEP Reduced Deliv	
									Excel	X
									NYSDEC EQuIS	
									NJDEP SRP HazSite	
									EQuIS	
									GIS/KEY (std)	
									YORK Regulatory Comp Excel compared to: NYSDEC TOGS 1.1.1	
									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)

Michael C. Mandac

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	Indic. Metals	Air TICs	NYCDEP Sewer
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM

Sample Identification	Date+Time Sampled	Matrix	Analysis Requested (List above includes common analysis)	Container Description
MW-1	1/15/2015	GW	TCL VOCs 8260, TCL SVOCs 8270, 8081/8082, TAL Metals (unfiltered and filtered), chromiums hex and tri (filtered)	3x amber, 1x 250 mL with nitric acid, 2x 250mL plastic, 2x 40mL vials
MW-2	1/15/2015	GW		
Trip Blank	1/15/2015	DI	TCL VOCS 8260	2x 40mL vials
Field Blank	1/15/2015	DI	TCL VOCS 8260	2x 40mL vials

Comments:

"E" Designation Project

Preservation (check all appliciable): 4°C X 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
Michael C. Mandac	1-16-15 825 AM	K Baker	1-16-15 825 AM	3.4 °C
		Grace	1-16-15 1630	
Samples Relinquished By	Date/Time	Samples Received in LAB by	Date/Time	

APPENDIX I

LABORATORY DELIVERABLES FOR SOIL VAPOR ANALYTICAL DATA

Technical Report

prepared for:

Athenica Environmental Services, Inc.
45-09 Greenpoint Avenue
Long Island City NY, 11104
Attention: Michael Mandac

Report Date: 01/20/2015
Client Project ID: 14-133-1103 37-14 34th Street
York Project (SDG) No.: 15A0461

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: 01/20/2015
Client Project ID: 14-133-1103 37-14 34th Street
York Project (SDG) No.: 15A0461

Athenica Environmental Services, Inc.
45-09 Greenpoint Avenue
Long Island City NY, 11104
Attention: Michael Mandac

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 January 16, 2015 and listed below. The project was identified as your project: **14-133-1103 37-14 34th Street**.

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
15A0461-01	SV-1 (Y35)	Soil Vapor	01/15/2015	01/16/2015

General Notes for York Project (SDG) No.: 15A0461

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:** 01/20/2015

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: **SV-1 (Y35)** **York Sample ID:** **15A0461-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0461	14-133-1103 37-14 34th Street	Soil Vapor	January 15, 2015 3:00 pm	01/16/2015

Volatile Organics, EPA TO15 Full List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m³	1.3	1.3	21	EPA TO-15	01/19/2015 18:49	01/20/2015 00:09	RQB
108-05-4	Vinyl acetate	ND		ug/m³	7.4	7.4	21	EPA TO-15	01/19/2015 18:49	01/20/2015 00:09	RQB
79-01-6	**Trichloroethylene**	**95**		ug/m³	2.8	2.8	21	EPA TO-15	01/19/2015 18:49	01/20/2015 00:09	RQB
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	9.5	9.5	21	EPA TO-15	01/19/2015 18:49	01/20/2015 00:09	RQB
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	8.3	8.3	21	EPA TO-15	01/19/2015 18:49	01/20/2015 00:09	RQB
108-88-3	Toluene	ND		ug/m³	7.9	7.9	21	EPA TO-15	01/19/2015 18:49	01/20/2015 00:09	RQB
109-99-9	* Tetrahydrofuran	ND		ug/m³	6.2	6.2	21	EPA TO-15	01/19/2015 18:49	01/20/2015 00:09	RQB
127-18-4	**Tetrachloroethylene**	**3000**		ug/m³	3.6	3.6	21	EPA TO-15	01/19/2015 18:49	01/20/2015 00:09	RQB
100-42-5	Styrene	ND		ug/m³	8.9	8.9	21	EPA TO-15	01/19/2015 18:49	01/20/2015 00:09	RQB
115-07-1	* Propylene	ND		ug/m³	3.6	3.6	21	EPA TO-15	01/19/2015 18:49	01/20/2015 00:09	RQB
622-96-8	*** p-Ethyltoluene**	**10**		ug/m³	10	10	21	EPA TO-15	01/19/2015 18:49	01/20/2015 00:09	RQB
179601-23-1	**p- & m- Xylenes**	**57**		ug/m³	18	18	21	EPA TO-15	01/19/2015 18:49	01/20/2015 00:09	RQB
95-47-6	**o-Xylene**	**28**		ug/m³	9.1	9.1	21	EPA TO-15	01/19/2015 18:49	01/20/2015 00:09	RQB
110-54-3	n-Hexane	ND		ug/m³	7.4	7.4	21	EPA TO-15	01/19/2015 18:49	01/20/2015 00:09	RQB
142-82-5	n-Heptane	ND		ug/m³	8.6	8.6	21	EPA TO-15	01/19/2015 18:49	01/20/2015 00:09	RQB
75-09-2	Methylene chloride	ND		ug/m³	15	15	21	EPA TO-15	01/19/2015 18:49	01/20/2015 00:09	RQB
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	7.6	7.6	21	EPA TO-15	01/19/2015 18:49	01/20/2015 00:09	RQB
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	8.6	8.6	21	EPA TO-15	01/19/2015 18:49	01/20/2015 00:09	RQB
67-63-0	Isopropanol	ND		ug/m³	10	10	21	EPA TO-15	01/19/2015 18:49	01/20/2015 00:09	RQB
87-68-3	Hexachlorobutadiene	ND		ug/m³	22	22	21	EPA TO-15	01/19/2015 18:49	01/20/2015 00:09	RQB
100-41-4	**Ethyl Benzene**	**11**		ug/m³	9.1	9.1	21	EPA TO-15	01/19/2015 18:49	01/20/2015 00:09	RQB
141-78-6	* Ethyl acetate	ND		ug/m³	15	15	21	EPA TO-15	01/19/2015 18:49	01/20/2015 00:09	RQB
110-82-7	Cyclohexane	ND		ug/m³	7.2	7.2	21	EPA TO-15	01/19/2015 18:49	01/20/2015 00:09	RQB
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	9.5	9.5	21	EPA TO-15	01/19/2015 18:49	01/20/2015 00:09	RQB
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	8.3	8.3	21	EPA TO-15	01/19/2015 18:49	01/20/2015 00:09	RQB
74-87-3	Chloromethane	ND		ug/m³	4.3	4.3	21	EPA TO-15	01/19/2015 18:49	01/20/2015 00:09	RQB
67-66-3	Chloroform	ND		ug/m³	10	10	21	EPA TO-15	01/19/2015 18:49	01/20/2015 00:09	RQB
75-00-3	Chloroethane	ND		ug/m³	5.5	5.5	21	EPA TO-15	01/19/2015 18:49	01/20/2015 00:09	RQB
56-23-5	Carbon tetrachloride	ND		ug/m³	3.3	3.3	21	EPA TO-15	01/19/2015 18:49	01/20/2015 00:09	RQB
75-15-0	Carbon disulfide	ND		ug/m³	6.5	6.5	21	EPA TO-15	01/19/2015 18:49	01/20/2015 00:09	RQB
74-83-9	Bromomethane	ND		ug/m³	8.2	8.2	21	EPA TO-15	01/19/2015 18:49	01/20/2015 00:09	RQB
75-25-2	Bromoform	ND		ug/m³	22	22	21	EPA TO-15	01/19/2015 18:49	01/20/2015 00:09	RQB
75-27-4	Bromodichloromethane	ND		ug/m³	13	13	21	EPA TO-15	01/19/2015 18:49	01/20/2015 00:09	RQB
100-44-7	Benzyl chloride	ND		ug/m³	11	11	21	EPA TO-15	01/19/2015 18:49	01/20/2015 00:09	RQB
71-43-2	Benzene	ND		ug/m³	6.7	6.7	21	EPA TO-15	01/19/2015 18:49	01/20/2015 00:09	RQB

Sample Information

Client Sample ID: **SV-1 (Y35)** **York Sample ID:** **15A0461-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15A0461	14-133-1103 37-14 34th Street	Soil Vapor	January 15, 2015 3:00 pm	01/16/2015

Volatile Organics, EPA TO15 Full List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	**Acetone**	**130**		ug/m³	5.0	5.0	21	EPA TO-15	01/19/2015 18:49	01/20/2015 00:09	RQB
591-78-6	* 2-Hexanone	ND		ug/m³	17	17	21	EPA TO-15	01/19/2015 18:49	01/20/2015 00:09	RQB
78-93-3	**2-Butanone**	**9.9**		ug/m³	6.2	6.2	21	EPA TO-15	01/19/2015 18:49	01/20/2015 00:09	RQB
123-91-1	1,4-Dioxane	ND		ug/m³	7.6	7.6	21	EPA TO-15	01/19/2015 18:49	01/20/2015 00:09	RQB
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	13	13	21	EPA TO-15	01/19/2015 18:49	01/20/2015 00:09	RQB
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	13	13	21	EPA TO-15	01/19/2015 18:49	01/20/2015 00:09	RQB
106-99-0	1,3-Butadiene	ND		ug/m³	9.1	9.1	21	EPA TO-15	01/19/2015 18:49	01/20/2015 00:09	RQB
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	10	10	21	EPA TO-15	01/19/2015 18:49	01/20/2015 00:09	RQB
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	15	15	21	EPA TO-15	01/19/2015 18:49	01/20/2015 00:09	RQB
78-87-5	1,2-Dichloropropane	ND		ug/m³	9.7	9.7	21	EPA TO-15	01/19/2015 18:49	01/20/2015 00:09	RQB
107-06-2	1,2-Dichloroethane	ND		ug/m³	8.5	8.5	21	EPA TO-15	01/19/2015 18:49	01/20/2015 00:09	RQB
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	13	13	21	EPA TO-15	01/19/2015 18:49	01/20/2015 00:09	RQB
95-63-6	**1,2,4-Trimethylbenzene**	**10**		ug/m³	10	10	21	EPA TO-15	01/19/2015 18:49	01/20/2015 00:09	RQB
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	16	16	21	EPA TO-15	01/19/2015 18:49	01/20/2015 00:09	RQB
75-35-4	1,1-Dichloroethylene	ND		ug/m³	8.3	8.3	21	EPA TO-15	01/19/2015 18:49	01/20/2015 00:09	RQB
75-34-3	1,1-Dichloroethane	ND		ug/m³	8.5	8.5	21	EPA TO-15	01/19/2015 18:49	01/20/2015 00:09	RQB
75-69-4	**Trichlorofluoromethane (Freon 11)**	**15**		ug/m³	12	12	21	EPA TO-15	01/19/2015 18:49	01/20/2015 00:09	RQB
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	11	11	21	EPA TO-15	01/19/2015 18:49	01/20/2015 00:09	RQB
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	16	16	21	EPA TO-15	01/19/2015 18:49	01/20/2015 00:09	RQB
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	14	14	21	EPA TO-15	01/19/2015 18:49	01/20/2015 00:09	RQB
71-55-6	**1,1,1-Trichloroethane**	**40**		ug/m³	11	11	21	EPA TO-15	01/19/2015 18:49	01/20/2015 00:09	RQB
75-71-8	Dichlorodifluoromethane	ND		ug/m³	10	10	21	EPA TO-15	01/19/2015 18:49	01/20/2015 00:09	RQB
106-93-4	1,2-Dibromoethane	ND		ug/m³	16	16	21	EPA TO-15	01/19/2015 18:49	01/20/2015 00:09	RQB
124-48-1	Dibromochloromethane	ND		ug/m³	17	17	21	EPA TO-15	01/19/2015 18:49	01/20/2015 00:09	RQB
80-62-6	Methyl Methacrylate	ND		ug/m³	8.6	8.6	21	EPA TO-15	01/19/2015 18:49	01/20/2015 00:09	RQB
108-90-7	Chlorobenzene	ND		ug/m³	9.7	9.7	21	EPA TO-15	01/19/2015 18:49	01/20/2015 00:09	RQB

	Surrogate Recoveries	Result	Acceptance Range
460-00-4	*Surrogate: p-Bromofluorobenzene*	*97.6 %*	*72-118*

Analytical Batch Summary

Batch ID: BA50801 **Preparation Method:** EPA TO15 PREP **Prepared By:** RQB

YORK Sample ID	Client Sample ID	Preparation Date
15A0461-01	SV-1 (Y35)	01/19/15
BA50801-BLK1	Blank	01/19/15
BA50801-BS1	LCS	01/19/15

Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA50801 - EPA TO15 PREP											
Blank (BA50801-BLK1)								Prepared & Analyzed: 01/19/2015			
Vinyl Chloride	ND	0.064	ug/m³								
Vinyl acetate	ND	0.35	"								
Trichloroethylene	ND	0.13	"								
trans-1,3-Dichloropropylene	ND	0.45	"								
trans-1,2-Dichloroethylene	ND	0.40	"								
Toluene	ND	0.38	"								
Tetrahydrofuran	ND	0.29	"								
Tetrachloroethylene	ND	0.17	"								
Styrene	ND	0.43	"								
Propylene	ND	0.17	"								
p-Ethyltoluene	ND	0.49	"								
p- & m- Xylenes	ND	0.87	"								
o-Xylene	ND	0.43	"								
n-Hexane	ND	0.35	"								
n-Heptane	ND	0.41	"								
Methylene chloride	ND	0.69	"								
Methyl tert-butyl ether (MTBE)	ND	0.36	"								
4-Methyl-2-pentanone	ND	0.41	"								
Isopropanol	ND	0.49	"								
Hexachlorobutadiene	ND	1.1	"								
Ethyl Benzene	ND	0.43	"								
Ethyl acetate	ND	0.72	"								
Cyclohexane	ND	0.34	"								
cis-1,3-Dichloropropylene	ND	0.45	"								
cis-1,2-Dichloroethylene	ND	0.40	"								
Chloromethane	ND	0.21	"								
Chloroform	ND	0.49	"								
Chloroethane	ND	0.26	"								
Carbon tetrachloride	ND	0.16	"								
Carbon disulfide	ND	0.31	"								
Bromomethane	ND	0.39	"								
Bromoform	ND	1.0	"								
Bromodichloromethane	ND	0.62	"								
Benzyl chloride	ND	0.52	"								
Benzene	ND	0.32	"								
Acetone	ND	0.24	"								
2-Hexanone	ND	0.82	"								
2-Butanone	ND	0.29	"								
1,4-Dioxane	ND	0.36	"								
1,4-Dichlorobenzene	ND	0.60	"								
1,3-Dichlorobenzene	ND	0.60	"								
1,3-Butadiene	ND	0.43	"								
1,3,5-Trimethylbenzene	ND	0.49	"								
1,2-Dichlorotetrafluoroethane	ND	0.70	"								
1,2-Dichloropropane	ND	0.46	"								
1,2-Dichloroethane	ND	0.40	"								
1,2-Dichlorobenzene	ND	0.60	"								
1,2,4-Trimethylbenzene	ND	0.49	"								
1,2,4-Trichlorobenzene	ND	0.74	"								
1,1-Dichloroethylene	ND	0.40	"								
1,1-Dichloroethane	ND	0.40	"								

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 BA50801 - EPA TO15 PREP											
Blank (BA50801-BLK1)								Prepared & Analyzed: 01/19/2015			
Trichlorofluoromethane (Freon 11)	ND	0.56	ug/m³								
1,1,2-Trichloroethane	ND	0.55	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.77	"								
1,1,2,2-Tetrachloroethane	ND	0.69	"								
1,1,1-Trichloroethane	ND	0.55	"								
Dichlorodifluoromethane	ND	0.49	"								
1,2-Dibromoethane	ND	0.77	"								
Dibromochloromethane	ND	0.80	"								
Methyl Methacrylate	ND	0.41	"								
Chlorobenzene	ND	0.46	"								
Surrogate: p-Bromofluorobenzene	*8.61*		*ppbv*	*9.60*		*89.7*	*72-118*				
LCS (BA50801-BS1)								Prepared & Analyzed: 01/19/2015			
Vinyl Chloride	8.20		ppbv	9.70		84.5	70-130				
Vinyl acetate	4.42		"	10.8		40.9	70-130	Low Bias			
Trichloroethylene	7.68		"	9.90		77.6	70-130				
trans-1,3-Dichloropropylene	8.78		"	10.9		80.6	70-130				
trans-1,2-Dichloroethylene	8.39		"	9.70		86.5	70-130				
Toluene	9.45		"	10.4		90.9	70-130				
Tetrahydrofuran	7.59		"	9.20		82.5	70-130				
Tetrachloroethylene	7.94		"	10.0		79.4	70-130				
Styrene	9.57		"	10.3		92.9	70-130				
Propylene	9.40		"	10.4		90.4	70-130				
p-Ethyltoluene	9.57		"	10.1		94.8	70-130				
p- & m- Xylenes	18.3		"	20.2		90.7	70-130				
o-Xylene	9.38		"	10.5		89.3	70-130				
n-Hexane	8.73		"	10.0		87.3	70-130				
n-Heptane	8.36		"	10.3		81.2	70-130				
Methylene chloride	8.50		"	9.90		85.9	70-130				
Methyl tert-butyl ether (MTBE)	8.07		"	9.80		82.3	70-130				
4-Methyl-2-pentanone	7.60		"	9.20		82.6	70-130				
Isopropanol	7.44		"	9.20		80.9	70-130				
Hexachlorobutadiene	10.1		"	9.90		102	70-130				
Ethyl Benzene	9.28		"	10.3		90.1	70-130				
Ethyl acetate	10.7		"	8.50		126	70-130				
Cyclohexane	8.79		"	10.1		87.0	70-130				
cis-1,3-Dichloropropylene	8.79		"	10.5		83.7	70-130				
cis-1,2-Dichloroethylene	9.37		"	10.3		91.0	70-130				
Chloromethane	8.12		"	9.70		83.7	70-130				
Chloroform	8.63		"	10.1		85.4	70-130				
Chloroethane	9.94		"	9.90		100	70-130				
Carbon tetrachloride	7.38		"	10.2		72.4	70-130				
Carbon disulfide	9.65		"	10.5		91.9	70-130				
Bromomethane	9.97		"	9.90		101	70-130				
Bromoform	9.27		"	10.1		91.8	70-130				
Bromodichloromethane	8.84		"	9.90		89.3	70-130				
Benzyl chloride	10.5		"	10.2		103	70-130				
Benzene	9.51		"	10.2		93.2	70-130				
Acetone	8.21		"	9.80		83.8	70-130				
2-Hexanone	7.27		"	9.30		78.2	70-130				
2-Butanone	8.14		"	9.40		86.6	70-130				
1,4-Dioxane	7.28		"	9.90		73.5	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 BA50801 - EPA TO15 PREP											
LCS (BA50801-BS1)							Prepared & Analyzed: 01/19/2015				
1,4-Dichlorobenzene	9.98		ppbv	10.2		97.8	70-130				
1,3-Dichlorobenzene	10.0		"	10.2		98.3	70-130				
1,3-Butadiene	9.33		"	10.1		92.4	70-130				
1,3,5-Trimethylbenzene	9.19		"	10.2		90.1	70-130				
1,2-Dichlorotetrafluoroethane	10.4		"	10.2		102	70-130				
1,2-Dichloropropane	9.34		"	10.3		90.7	70-130				
1,2-Dichloroethane	7.56		"	10.1		74.9	70-130				
1,2-Dichlorobenzene	10.2		"	10.1		101	70-130				
1,2,4-Trimethylbenzene	9.62		"	10.2		94.3	70-130				
1,2,4-Trichlorobenzene	12.7		"	9.60		132	70-130	High Bias			
1,1-Dichloroethylene	8.58		"	10.0		85.8	70-130				
1,1-Dichloroethane	8.90		"	10.0		89.0	70-130				
Trichlorofluoromethane (Freon 11)	9.21		"	10.5		87.7	70-130				
1,1,2-Trichloroethane	9.56		"	10.3		92.8	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.20		"	9.70		94.8	70-130				
1,1,2,2-Tetrachloroethane	10.2		"	10.5		96.7	70-130				
1,1,1-Trichloroethane	7.85		"	9.90		79.3	70-130				
Dichlorodifluoromethane	8.89		"	10.0		88.9	70-130				
1,2-Dibromoethane	9.06		"	10.3		88.0	70-130				
Dibromochloromethane	9.45		"	10.3		91.7	70-130				
Methyl Methacrylate	8.56		"	9.50		90.1	70-130				
Chlorobenzene	9.19		"	10.4		88.4	70-130				
Surrogate: p-Bromofluorobenzene	*9.49*		*"*	*9.60*		*98.9*	*72-118*				

Notes and Definitions

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two.
For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

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. 15A0461

YOUR Information

Company: Athenica Environmental
Address: 45-09 Greenpoint Ave
Long Island City, NY 11104
Phone No. 718-784-7490
Contact Person: Michael Mandac
E-Mail Address: mmandac@athenica.com

Report To:

Company:
Address: SAME
Phone No.
Attention:
E-Mail Address:

Invoice To:

Company:
Address: SAME
Phone No.
Attention:
E-Mail Address:

YOUR Project ID

14-133-1103
37-14 34th Street

Purchase Order No.

Samples from: CT ___ NY (X) NJ ___

Turn-Around Time

- RUSH - Same Day ☐
- RUSH - Next Day ☐
- RUSH - Two Day ☐
- RUSH - Three Day ☐
- RUSH - Four Day ☐
- Standard(5-7 Days) ☒

Report Type/Deliverables

- Summary Report X
- Summary w/ QA Summary X
- CT RCP Package
- NY ASP A Package
- NY ASP B/CLP Pkg
- NJDEP Reduced

Electronic Deliverables:

- EDD (Specify Type)
- Standard Excel
- Regulatory Comparison Excel X

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)

Michael C. Mandac
Name (printed)

Air Matrix Codes

- AI - INDOOR Ambient Air
- AO- OUTDOOR Amb. Air
- AE- Vapor Extraction Well/ Process Gas/Effluent
- AS- SOIL Vapor/Sub-Slab

TO15 Volatiles and Other Gas Analyses

- EPA TO-15 List
- 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 (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-1 (Can ID: 17347)	1-15-15	AS	30	5	TO-15	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
						6 Liter Summa canister / Tedlar Bag
						6 Liter Summa canister / Tedlar Bag

Comments

"E" Designation Project

Samples Relinquished By — Date/Time: 1-16-15 825 AM

Samples Relinquished By — Date/Time:

Samples Received By — Date/Time: K Baker 1-16-15 825 AM

Samples Received in LAB by — Date/Time: P Grace 1-16-15 1630